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NDT PRODUCTS CATALOG

NOVEMBER 2025



RADIOGRAPHY



MAGNETIC PARTICLE



LIQUID PENETRANT



BLACKLIGHTS (UV-A)



ULTRASONIC



VISUAL



LEAK DETECTION



HARDNESS TESTING

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RADIOGRAPHY

AGFA STRUCTURIX FILM & CHEMISTRY

For high-quality images and rugged performance, you can trust the best-in-class radiographic film, processing equipment, chemicals and tools from Waygate Technologies. No matter the complexity of your testing challenge, our field-proven solutions are designed to work together seamlessly for reliable inspection results.

FILM PRODUCTS

The STRUCTURIX radiographic film product family builds on two critical facets of advanced film technology: high quality images, and rugged performance. STRUCTURIX's reputation for excellence is the result of Waygate Technologies' continuous striving for the highest product quality. We offer a full range of STRUCTURIX radiographic films from ultrafine grain to high speed, in all standard sheet sizes and on rolls.

DARKROOM PACKAGING

Non-Interleaved Film (NIF)

Size	D7	D5	D4	D3	D2	D8
3.5" x 8.5"	-	3TVQ2	E7JH4	3LLU5	-	-
3.5" x 10"	3AG6W	3XK8Q	3J4WY	3LLYE	4N2X8	-
3.5" x 17"	E7JLB	E7JJ6	E7JFZ	3U6NC	3XT8T	-
4.5" x 10"	28XFM	29MA7	3J4G2	3LLXC	3AOC2	-
4.5" x 17"	E7JMD	E7JK8	E7JG2	E7JEX	3AOD4	3Q5FT
5" x 7"	28WMU	29LXF	3J39L	3LL3N	3AN8R	-
7" x 17"	LHVNY	LHVEH	LHQ5E	LHU7Z	LHUZL	3RGJG
8" x 10"	LHVO1	LHVGW	LHQ6G	3LLWA	3AOE6	3ZAR5
10" x 12"	LHVP3	LHVHO	LHQ7J	3LL1J	3AOF8	3Q5K2
11" x 14"	LHVQ5	LHVKS	LHQ8L	3LL4P	3AOG8	-
14" x 17"	LHVR7	LHVLU	LHQ9N	LHVBB	LHU4T	3Q5L4

► BLR (Bulk Load Roll)

BLR is packaging with bare film on a cardboard core. This film can be cut to any length and loaded with or without lead screens in reloadable cassettes in the darkroom.

AGFA



► Pb VACUPAC

Completely light-tight, airtight and moisture proof Pb VACUPAC is the perfect daylight packaging. The STRUCTURIX X-ray films with Pb screens have a standard thickness of 0.027 mm and are vacuum-packed in a completely light tight, airtight and moisture proof foil complex. The foil, a spin off from space technology, is a metallic polymer involving the deposition of vaporized aluminum under vacuum. The synthetic foil ensures that VACUPAC can be used under extremely dirty and damp conditions.

► Pb ROLLPAC

The film is sandwiched between two 0.027mm lead screens. ROLLPAC packaging is resistant to moisture and grease.

Our unique packaging ROLLPAC ensures that excellent contact between the film and lead foil is retained when the media is applied to spherical or tubular objects, even those with a small diameter. Because the screens are only used once, optimal results are guaranteed.

STRUCTURIX CHEMICAL PRODUCTS

STRUCTURIX Photo Processing Chemicals

Item No.	Description	Replenishment Rates (m ²)	Pack/Size	Makes
4PG2K	G135 s Automatic Developer Starter (Single Part)	N/A	Bottle (1L)	10 Gallons
4NZ16	G135 Automatic Developer Replenisher (Three-Part)	900 mL	Part A (2 x 5L) Part B (2 x ½L) Part C (2 x ½L)	10 Gallons
4NZY2	G128 Manual Developer Replenisher (Single-Part)	600 mL	Case (4 x 5L)	20 Gallons
4NZ3B	G335 Automatic & Manual Fixer Replenisher (Two-Part)	1200 mL	Part A (2 x 5L) Part B (2 x 1¼L)	10 Gallons



The Right Packaging for Every STRUCTURIX Film

100 Sheets/Box

Key Benefits

- Consistent Production Quality meeting the most rigorous worldwide quality standards
- Consistent Processing Quality providing consistent and excellent results over a wide range of operating conditions

Features

- Optimum Image Quality finished X-ray film with a brilliant surface and pleasant blue tint
- Protective Coating resulting directly from the Split Antistress Layer (SAL) technology
- Multiple Packaging Types Available

Bulk Load Roll (BLR)

Size	D7	D5	D4	D3	D8
70mm x 550'	-	3RB66	3QLNX	3U5BK	-
70mm x 1,000'	28L3H	4PTO7	3J21Y	3U6OE	3Q511
90mm x 1,000'	3B662	3EZJQ	3J2YU	3LNDF	-
14" x 200'	-	-	3QLQ4	-	-

DAYLIGHT PACKAGING

The Right Packaging for Every STRUCTURIX Film

Waygate Technologies offers different forms of packaging. Whatever the application of industrial radiography, there is a right STRUCTURIX film available, in the right packaging. No object is too large or too small.

► Pb ETE (Edge-To-Edge)

Edge-to-edge Pb versions are available for sheet sizes for that lack a VACUPAC version. A specific advantage of the edge-to-edge is its double-sided edge. This feature makes it possible to place the film against or between elements of a work piece easily and accurately.

Opening the edge-to-edge packaging is as simple as tearing open the wrapper using the thread included for this purpose, then removing the film via the long side.

► DW ETE (Edge-To-Edge) & ROLLPAC

This light-tight, moisture proof and greaseproof packaging without Pb screen is ideal for exposures using radiation energy lower than 100 kV. The envelopes can be cut easily and taped for use with odd-shaped angles and corners. The envelopes are also easy to tape to the work piece.

DW ROLLPAC packaging is specifically intended for material testing using low to very low radiation energy (<100 kV). Widths up to 35 cm are available.

Carestream NDT

INDUSTREX FILM & CHEMISTRY

INDUSTREX Film Products support the evolving requirements of the non-destructive testing market. Our experience in imaging science spans over one hundred years. But it's an unbreakable commitment to product innovation and customer service that has allowed INDUSTREX Film to achieve superiority in the NDT industry.



INDUSTREX FILM PRODUCTS

Our reliable film product line works under the most trying conditions and provides customers consistent, predictable results every time. With the support of world-leading imaging experts and world-class service and support INDUSTREX technology is your best choice within the most demanding test environments

Non-Interleaved Film (NIF)

100 Sheets/Box

Size	AA400	T200	MX125	M100	DR50	HS800
3.5" x 8.5"	-	6095772	6046916	5291406	-	-
3.5" x 10"	6046908	5284856	6041552	6041560	6041578	-
3.5" x 17"	1030295	8497711	5087283	6041354	6046619	-
4.5" x 10"	8139503	8385213	5087259	5282611	6041701	-
4.5" x 17"	1447234	8328494	5087275	5258538	6041719	-
5" x 7"	1543628	1921683	5245261	5258553	-	-
7" x 17"	1447655	8280745	5235890	5258504	6045090	-
8" x 10"	1447853	1490606	5245287	5282629	6045082	-
10" x 12"	6095988	6096002	6095970	6095962	6046635	-
11" x 14"	6095996	6095863	6095848	6095855	6046601	-
14" x 17"	6549471	6549463	6549455	8365728	6095533	6095558

T-Grain Emulsion Advantages

T-GRAIN Emulsion offers a state-of-the-art technology that's specifically designed for industrial radiographic testing applications. What does that mean for you?

Outstanding Image Quality

With a cold, clean image tone and low noise, you get a sharp, clear image every time.

Processing Flexibility

The films work well in standard process cycles—but they're just as effective in longer or shorter process cycles.

Superb Durability

The films are static resistant, more heat resistant than conventional systems, incredibly sturdy, and you'll get fewer artifacts from handling.



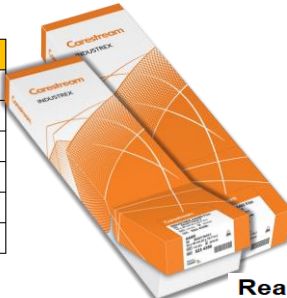
Non-Interleaved Film Roll (NIF Roll)

Size	AA400	T200	MX125	M100	HS800
70mm x 492'	5230263	5073465	5058961	5268396	5291687
70mm x 1,000'	6043475	6043392	6043426	-	-
90mm x 492'	5265459	5291992	5262795	8618480	-

Ready Pack II

50 Sheets/Box

Size	AA400	MX125	M100
3.5" x 17"	-	5289434	-
4.5" x 17"	-	5245154	-
5" x 7"	-	5238118	-
7" x 17"	8040552	5245147	-
8" x 10"	8278137	5245139	-
14" x 17"	8460636	5238134	5272844



Lead Pack Roll

Size	AA400	T200	MX125	M100
60mm x 90m	6046718	6046783	6046759	-
70mm x 90m	6046726	6046791	6046767	6046734
10mm x 90m	6046700	6046775	6046742	-

Ready Pack Roll

Size	AA400	MX125	M100
60mm x 90m	-	6046882	-
70mm x 90m	-	6046874	6046890
5" x 60m	-	5245220	-
14" x 60m	5073523	5245188	-

Lead Contactpak

50 Sheets/Box

Size	AA400	T200	MX125	M100
4.5" x 10"	-	-	5245253	-
4.5" x 17"	5073507	6044978	6046940	5281241
5" x 7"	-	-	5241161	5259106
14" x 17"	5057740	-	5053749	-

Carestream NDT

INDUSTREX CHEMICAL PRODUCTS

INDUSTREX Chemicals for manual and automatic processing support the evolving requirements of the non-destructive testing market. Our experience in imaging science spans over one hundred years.

INDUSTREX Chemicals for use with both Automatic and Manual Processing

Item No.	Description	Replenishment Rates (m ²)	Pack/Size	Makes
8351413	Single Part Developer Starter	N/A	Bottle (39.8 oz)	10 Gallons
5315288	Single Part Developer Replenisher	665 mL	Case (2 x 5L)	10 Gallons
5159082	Single Part Fixer Replenisher	1200 mL	Case (2 x 5L)	10 Gallons



RADIOGRAPHIC AIDS

FILM VIEWING / MEASURING DEVICES



LED Film Viewers

QED QVL LED Film Viewers

What is an electronic mask?

Traditionally we use a series of metallic light masks which overlay on the surface of the film viewer. It is inconvenient to replace light masks when you want to change the size of light, in addition energy is also wasted because the metallic light masks simply mask light where you do not need, but the entire light screen is still turned on.

Electronic light masks are controlled by electronics. The QVL Series light screens are divided into 4 to 6 areas depending upon the model film viewer, which you can turn on or off each section of light by pressing one button. With the help of it, you just turn on the area you need, it will be convenient when you change the size of light, low heat and low energy cost.

QVL Series Portable Industrial LED Film Viewer

- ▶ Integral Aluminum Design, Stays Cool and Quiet, No Fan Required
- ▶ Surface Temperature Rise $\leq 59^{\circ}\text{F}$ (12 hrs continuous max luminance)
- ▶ Electronic Light Mask
- ▶ Low Profile and Light Weight
- ▶ **QVL8** Viewing Window: 3.25" W x 8" L
- ▶ **QVL17** Viewing Window: 3.75" W x 15.75" L
- ▶ Densitometer Accuracy: $\pm 0.02\text{D}$ (Models w/ built-in densitometers)
- ▶ 5 Year Parts Warranty
- ▶ CE Approved

Film Viewer Kits Include: Selected Film Viewer with Adjustable Handle, Mounting Brackets, Power Supply, Electronic Masking and 70mm Window Mask, Foot Pedal, Instruction Manual, Test Report and 5 Year Warranty.

QVL8

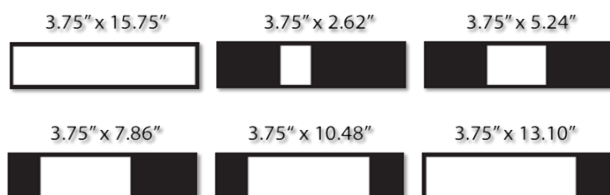


Electronic Masking for QVL8 Models



Model	Window Size	Luminance Cd/m ²	Max Viewing Density	Masking	Dimensions (LxWxH) Weight	Price
QVL8	3.25" x 8"	120,000	4.1	Electronic	15.35" x 7.08" x 1.96" 5.18 lbs.	Call for Pricing
QVL17	3.75" x 15.75"				24.4" x 7.08" x 1.96" 7.72 lbs.	Call for Pricing

Electronic Masking for QVL17 Models



QED Built-In Densitometer Option

In addition to having all of the same advantages of the QVL8 and the QVL17 both models have the option of including a built-in densitometer, which has the following features:

Model	Density	Accuracy	Resolution	Aperture	Price
QVL8-D	0.00 - 5.00	± 0.02	± 0.01	3mm	Call for Pricing
QVL17-D					Call for Pricing



QVL8-D



QVL17-D

LCNDT LED Film Viewers

LCNDT founded in 1992, is a specialized supplier of NDT equipments, engineering, and trade. In 2008, LCNDT introduced what could possibly be the world's first industrial film viewer, the FV-2008, utilizing LED as its light source, marking the beginning of its export trade. In the subsequent years, LCNDT successively launched products such as FV-2009, FV-2010, and FV-2014.

Viewer's Include: Selected Film Viewer, Either External or Electronic Mask Option, Foot Pedal, Instruction Manual, Test Report, Warranty Card and Carrying Bag (Depending upon Model)



Standard Film Viewers

Model	Window Size	Luminance Cd/m ²	Max Viewing Density	Masking	Warranty	Price
FV-2008 Plus	3.2" x 8.7"	300,000	4.3	Electronic	5 Year Parts	Call for Pricing
FV-2009 Plus	2.5" x 8"	120,000	4.1	1.8" x 6"		Call for Pricing
FV-2010 Plus	4" x 15.8"	120,000	4.1	Electronic		Call for Pricing
FV-2014	13" x 16.1"	≥ 100,000	≤ 4.0	Electronic	2 Year Parts	Call for Pricing
FV-2014-IRIS	Main - 14" x 17"	≥ 100,000	≤ 4.0	Electronic		Call for Pricing
	Iris - Ø 4"	≥ 280,000	≤ 4.4	Adj. Ø 0.2" -4"		Call for Pricing
FV-2018-IRIS	Ø 4"	300,000	4.5	Adj. Ø 0.2" -4"		Call for Pricing

FV-2008 Plus



FV-2009 Plus



FV-2010 Plus



FV-2014



FV-2014-IRIS



FV-2018-IRIS



LCNDT Built-In Densitometer Option

In addition to having all of the same advantages of the FV-2009/10 Plus, The FV-2009/10-T Plus comes with a built-in densitometer, which has the following features:

Model	Density	Accuracy	Resolution	Aperture	Price
FV-2009T Plus	0.00 - 5.00	± 0.02	± 0.01	3mm	Call for Pricing
FV-2010T Plus					Call for Pricing

FV-2009T Plus



FV-2010T Plus



*Est. 1956***ESECO**
*Speedmaster***Densitometers**

► The Speedmaster **SM-10T** Digital Transmission Densitometers are designed to meet the need for an accurate and affordably priced instrument to measure any NDT x-ray, or processor control test films. The rugged durability, minimal drift, and no warm-up time provide fast dependable readings.

► The Speedmaster "Pocket Pal" **SM-12** has been designed to meet industry's needs for a small portable densitometer. No separate light source is required, just insert the film (3" film measurement depth), align the area to be read, and press a button.

► The Speedmaster **SM-14** Digital Densitometer is designed to meet the need for an accurate and affordably priced instrument to measure any film directly from a viewer. With the film on your viewer, just place the SM-14's "Easy Read" probe over the area to be read then push the read button.

Part Number	Model	Density	Accuracy	Resolution	Aperture	Price
5009	SM-10T	0.00 - 5.00	± 0.02	± 0.01	2mm	Call for Pricing
5012	SM-12	0.00 - 4.00			3mm	Call for Pricing
5014	SM-14				Call for Pricing	

**LCNDT**

► The LCNDT **DT-100** is a robust, easy-to-use portable digital densitometer for measuring the transmission density of x-ray film. Simply place the probe on the film where the reading is required, and the reading appears on the 4-digit LCD screen with a white light illuminated display.

► The **DT-200** portable densitometer is a robust, easy to use, portable densitometer with a separate probe for measuring the density of X-ray film.

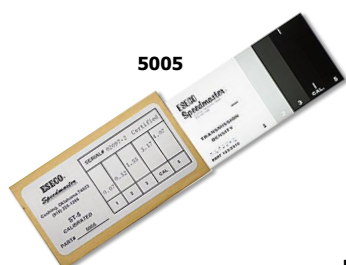
► The **DT-300 Plus** is a robust and easy to use tabletop densitometer for measuring black and white transmission x-ray film. This unit provides highly accurate and repeatable measurements of film with densities up to 5.0D, and its high luminance spot light provides more subtlety than can be seen by the naked eye. Designed to be used in darkrooms, laboratories and offices, the DT-300 is truly a powerful unit that provides easy measurement of film anywhere.

Model	Density	Accuracy	Resolution	Aperture	Price
DT-100	0.00 - 5.00	± 0.03	± 0.01	3mm	Call for Pricing
DT-200				1, 2 and 3mm	Call for Pricing
DT-300 Plus		± 0.02			Call for Pricing

**NDT Density Step Tablets**

Density Step Tablets, also called Density Film Strips, are an authenticated film strip tablet which are used for revising densitometers that are applied to measure X-ray and ray penetrating densities.

Manufacturer	Part Number	Number of Steps	Density Range	Price
ESECO	5005	5	0.5 thru > 4.0	Call for Pricing
	5004	21	0.15 thru > 5.0	Call for Pricing
AGFA	3UEPB	14	< 0.20 thru > 4.0	Call for Pricing
Carestream	1842137	17		Call for Pricing

**5004****1842137**

FILM MARKERS**Lead Numbers and Letters**

Precision lead numbers and letters are clean with sharp smooth edges, and produce clear, well defined images. All types shown below are available in letters A - Z, and numbers 0 - 9.

Designed to hold both numbers and letters. These lead number cases are made of ABS high impact plastic and contain a polyethylene sponge inside the cover which prevents accidental mixing of numbers and letters when the cover is closed.



Brand	Style	Size	Length	Thickness	Quantity / Pack	Price
QED	Flat Face	1/4"	.315"	.056"	100	Call for Pricing
South Manufacturing	Deep V	1/4"	.300"	.100"	100	Call for Pricing
	Flat Face	1/4"	.322"	.050"	100	Call for Pricing
	Deep V	3/8"	.416"	.100"	50	Call for Pricing
	Flat Face	3/8"	.419"	.065"	100	Call for Pricing
	Deep V	1/2"	.504"	.140"	50	Call for Pricing
	Flat Face	1/2"	.498"	.075"	100	Call for Pricing
Ray-Check Manufacturing	Deep Block	1/4"	.250"	.078"	50	Call for Pricing
	Flat Face	1/4"		.047"		Call for Pricing
	Deep Block	3/8"	.375"	.078"	50	Call for Pricing
	Flat Face	3/8"		.047"		Call for Pricing
	INDUSTRIAL			.250"	10	Call for Pricing
	Deep Block	1/2"	.500"	.078"	50	Call for Pricing
	Flat Face	1/2"		.062"		Call for Pricing
	Deep Block	3/4"	.750"	.078"	25	Call for Pricing
	INDUSTRIAL	3/4"		.250"	10	Call for Pricing
	Deep Block	1"	1.00"	.078"	25	Call for Pricing
	INDUSTRIAL	1"		.250"	10	Call for Pricing

Item	Description	Price
LL-CASE-RED	Lead Letter and Number Case, 38 Compartment, Red	Call for Pricing

Identification Printer (Film Flasher)

Item	Description	Price
17104	WOLF Manual ID Printer	Call for Pricing

**EXP7000****Reference Standard(s)**

► The 2" Tungsten Measurement Reference Bar is housed in a clear vinyl tube which includes a unique serial number and certificate of conformance. This aid is mainly used as a measurement reference during radiographic exposures for weld inspections.

► The 1" Ø Measurement Reference Ball is available in magnetic and non-magnetic options as well as with or without a urethane outer layer. This measurement aid is mainly used as a reference for measuring pipe wall thickness when performing profile radiographic exposures.

**Q-RT2**

Brand	Item	Description	Price
QED	Q-RT2	2" Tungsten Carbide 1/8" Round Measurement Reference Bar, includes a unique serial number and certificate of conformance	Call for Pricing
	SP*001218	1" Non-Magnetic Measurement Reference Ball, includes a certificate of conformance	Call for Pricing
	SP*001201	1" Magnetic Measurement Reference Ball, includes a certificate of conformance	Call for Pricing
Exposure	EXP7000	1" Magnetic Measurement Reference Ball housed in a urethane outer layer, Includes a unique serial number and certificate of conformance	Call for Pricing

IMAGE QUALITY INDICATORS (IQIs)**Ray-Check Plaque Type IQI's (Penetrameters)**

Sharp, smooth edges with accurate, perfectly spaced drilled and reamed holes, ultrasonically cleaned, give the technician every advantage in obtaining clear, well defined images on the radiograph. All IQI's are accompanied by a manufacturer certificate of conformity. Ray-Check's quality control system complies with ISO 9001:2015 (replaces MIL-I-45208A) and ANSI-NCSL-Z540 (replaces MIL-STD-45662-A) and is traceable to the National Institute of Standards and Technology (NIST).

RAY-CHECK**Additional IQI Options****Call for Pricing on Wood Case for Encapsulated IQI's.*

Item	Description	Price
RCM-SC-PIQI	Ray-Check Mfg. Serialize and Calibrate Plaque Type IQI's	Call for Pricing
RCM-SC-RPIQI	Ray-Check Mfg. Serialize and Calibrate (Customer Returned) Plaque Type IQI's	Call for Pricing
RCM-SC-WIQI	Ray-Check Mfg. Serialize and Calibrate Wire Type IQI's	Call for Pricing
RCM-SC-PIQI-SA25	Ray-Check Mfg. Serialize and Calibrate Plaque Type IQI's, 25 Piece Set A	Call for Pricing
RCM-SC-PIQI-SA28	Ray-Check Mfg. Serialize and Calibrate Plaque Type IQI's, 28 Piece Set A	Call for Pricing
RCM-SC-PIQI-SB11	Ray-Check Mfg. Serialize and Calibrate Plaque Type IQI's, 11 Piece Set B	Call for Pricing
RCM-E-IQI	Ray-Check Mfg. Encapsulate Plaque Type IQI's	Call for Pricing
RCM-SC-MS	Ray-Check Mfg. Serialize and Calibrate Mounting Blocks or Shims	Call for Pricing
RCM-SC-RMS	Ray-Check Mfg. Serialize and Calibrate (Customer Returned) Mounting Blocks or Shims	Call for Pricing
RCM-WC-SETA	Ray-Check Mfg. Wood Case for Set A Plaque Type IQI's	Call for Pricing
RCM-WC-SETB	Ray-Check Mfg. Wood Case for Set B Plaque Type IQI's	

Ray-Check Plaque Type Penetrameters - IQI Sets - Includes Wooden Case

Code	SET	IQI Quantity	Sizes Included
ASME SE-1025	A	25 Piece	#5, #6, (#7 or #8), #9, #10, #11, #12, #13, #15, #16, #17, #18, #20, #22, #25, #27, #30, #32, #35, #37, #40, #42, #45, #47, #50
ASTM E-1025	B	11 Piece	#55, #60, #65, #70, #75, #80, #90, #100, #120, #140, #160
NAVSEA/271	A	28 Piece	.25, .30, .35, .40, .45, .50, .55, .60, .65, .70, .75, .80, .85, .90, .95, 1.0, 1.1, 1.2, 1.3, 1.5, 1.6, 1.7, 1.8, 2.0, 2.1, 2.2, 2.3, 2.5
	B	11 Piece	2.7, 3.0, 3.2, 3.5, 3.7, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0
ASTM E-1742	A	25 Piece	.25, .31, .37, .43, .50, .56, .62, .68, .75, .81, .87, .93, 1.0, 1.1, 1.2, 1.3, 1.5, 1.6, 1.7, 1.8, 2.0, 2.1, 2.2, 2.3, 2.5
	B	11 Piece	2.7, 3.0, 3.2, 3.5, 3.7, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0

MATERIAL GROUPS

Materials have been designated in nine groups based on their radiation absorption characteristics. The materials increase in radiation absorption with increasing numerical designation. The materials for which the IQI for the group are to be made are designated in each case, and these IQI's are applicable for all materials listed in that group. In addition, any group IQI may be used for any material with a higher group number, provided the applicable quality level is maintained.

► Non-Metal Materials - Group 001

Group 001: Plastic and Nylon

► Light Metal Materials - Group 01, 02 and 03

Group 01: Titanium

Group 02: Aluminum 6061, 2014, 2024, 2219 and 7075

Group 03: Magnesium AZ31 and ZK60

► Heavy Metal Materials - Group 1, 2, 3, 4 and 5

Group 1: Steel (1018) and 300 Series Stainless Steels

Group 2: Aluminum Bronze

Group 3: Inconel 600, 625, 718 and Waspaloy

Group 4: Brass, Copper, Cupro-Nickel, Monel 400, Nickel, Hastelloy X and Rene 41

Group 5: Phosphor-Bronze, Cobalt (Haynes 188), Cobalt (Haynes 25) and Hastelloy C

RAY-CHECK
MANUFACTURING, INC.



All Code(s)	Material	SET	Price
ASME SE-1025 ASTM E-1025 NAVSEA/271 ASTM E-1742	Steel (1018), Stainless Steel (304), Aluminum (6061)	A	Call for Pricing
		B	Call for Pricing
	Aluminum 2014, 2024, 2219, 7075, Aluminum Bronze, Brass, Copper, Cupro-Nickel, Inconel 600, Magnesium AZ31 & ZK60, Monel 400, Nickel, Phosphor-Bronze	A	Call for Pricing
		B	Call for Pricing
	Titanium, Cobalt, Hastelloy C, Hastelloy X, Inconel 625, Inconel 718, Zirconium	A	Call for Pricing
		B	Call for Pricing

Ray-Check Plaque Type Penetrameters - Individual IQI's - ASME SE-1025 and ASTM E-1025

Specification	Size	Dimensions Length x Width	Material	Price
ASME SE-1025	#5 thru #20	1½" x ½"	Steel (1018)	Call for Pricing
	#22 thru #50		Stainless Steel (304)	Call for Pricing
	#55 thru #100	2¼" x 1"	Aluminum (6061)	Call for Pricing
	#110 thru #160			Call for Pricing
	#5 thru #20	1½" x ½"	Aluminum (2014, 2024, 2219 and 7075)	Call for Pricing
	#22 thru #50		Copper	Call for Pricing
	#55 thru #100	2¼" x 1"	Cupro-Nickel	Call for Pricing
	#110 thru #160		Monel 400	Call for Pricing
	#5 thru #20	1½" x ½"	Aluminum Bronze	Call for Pricing
	#22 thru #50		Inconel 600	Call for Pricing
	#55 thru #160	2¼" x 1"	Nickel	Call for Pricing
	#170 thru #400		Magnesium AZ31	Call for Pricing
ASTM E-1025	#5 thru #20	1½" x ½"	Cobalt (Haynes 25)	Call for Pricing
	#22 thru #50		Inconel 625	Call for Pricing
	#55 thru #100	2¼" x 1"	Rene 41	Call for Pricing
	#110 thru #160		Titanium	Call for Pricing
	#5 thru #20	1½" x ½"	Hastelloy C	Call for Pricing
	#22 thru #50		Plastic	Call for Pricing
	#55 thru #160	2¼" x 1"	Waspaloy	Call for Pricing
	#170 thru #400		Zirconium	Call for Pricing
	#5 thru #20	1½" x ½"	Aluminum (2014, 2024, 2219 and 7075)	Call for Pricing
	#22 thru #50		Copper	Call for Pricing
	#55 thru #100	2¼" x 1"	Cupro-Nickel	Call for Pricing
	#110 thru #160		Monel 400	Call for Pricing
ASTM E-1025	#5 thru #20	1½" x ½"	Aluminum Bronze	Call for Pricing
	#22 thru #50		Inconel 600	Call for Pricing
	#55 thru #100	2¼" x 1"	Nickel	Call for Pricing
	#110 thru #160		Magnesium AZ31	Call for Pricing
	#5 thru #20	1½" x ½"	Cobalt (Haynes 25)	Call for Pricing
	#22 thru #50		Inconel 625	Call for Pricing
	#55 thru #160	2¼" x 1"	Rene 41	Call for Pricing
	#170 thru #400		Titanium	Call for Pricing
	#5 thru #20	1½" x ½"	Hastelloy C	Call for Pricing
	#22 thru #50		Plastic	Call for Pricing
	#55 thru #160	2¼" x 1"	Waspaloy	Call for Pricing
	#170 thru #400		Zirconium	Call for Pricing



Ray-Check Plaque Type Penetrameters - Individual IQI's - NAVSEA/271 and ASTM E-1742

Specification	Size	Dimensions Length x Width	Material			Price
NAVSEA/271	.01 thru 1.0	1½" x ½"	Steel (1018)			Call for Pricing
	1.1 thru 2.5		Stainless Steel (304)			Call for Pricing
	2.7 thru 5.0	2¼" x 1"	Aluminum (6061)			Call for Pricing
	5.2 thru 8.0					Call for Pricing
	.01 thru 1.0	1½" x ½"	Aluminum (2014, 2024	Copper	Magnesium ZK60	Call for Pricing
	1.1 thru 2.5		2219 and 7075)	Cupro-Nickel	Monel 400	Call for Pricing
	2.7 thru 5.0	2¼" x 1"	Aluminum Bronze	Inconel 600	Nickel	Call for Pricing
	5.2 thru 8.0		Brass	Magnesium AZ31	Phosphor-Bronze	Call for Pricing
	.01 thru 1.0	1½" x ½"	Cobalt (Haynes 25)	Inconel 625	Rene 41	Call for Pricing
	1.1 thru 2.5		Cobalt (Haynes 188)	Inconel 718	Titanium	Call for Pricing
	2.7 thru 8.0	2¼" x 1"	Hastelloy C	Plastic	Waspalloy	Call for Pricing
	8.5 thru 20.0		Hastelloy X	Nylon	Zirconium	Call for Pricing
ASTM E-1742 	.01 thru 1.0	2" x ½"	Steel (1018)			Call for Pricing
	1.1 thru 2.5		Stainless Steel (304)			Call for Pricing
	2.7 thru 5.0	2.850" x 1"	Aluminum (6061)			Call for Pricing
	5.2 thru 8.0					Call for Pricing
	.01 thru 1.0	2" x ½"	Aluminum (2014, 2024	Copper	Magnesium ZK60	Call for Pricing
	1.1 thru 2.5		2219 and 7075)	Cupro-Nickel	Monel 400	Call for Pricing
	2.7 thru 5.0	2.850" x 1"	Aluminum Bronze	Inconel 600	Nickel	Call for Pricing
	5.2 thru 8.0		Brass	Magnesium AZ31	Phosphor-Bronze	Call for Pricing
	.01 thru 1.0	2" x ½"	Cobalt (Haynes 25)	Inconel 625	Rene 41	Call for Pricing
	1.1 thru 2.5		Cobalt (Haynes 188)	Inconel 718	Titanium	Call for Pricing
	2.7 thru 8.0	2.850" x 1"	Hastelloy C	Plastic	Waspalloy	Call for Pricing
	8.5 thru 20.0		Hastelloy X	Nylon	Zirconium	Call for Pricing

*Per ASTM E-1742, IQI's under .25" will be marked with the requested size but will have the same thickness and hole sizes as a .25" IQI. If true 2% thickness IQI's are required for sizes under .25", Call for pricing on Pratt & Whitney IQI's.

Penetrameter Shims and Mounting Blocks**Shims - for use with ASTM E-1025 or NAVSEA/271 IQIs**

Some codes require that shims be used under penetrameters to compensate for thickness of a backing ring or weld reinforcement.



Brand	Shim Length x Width x T	Thickness (T)		Material		
		Fraction	Decimal	Aluminum	1018 Steel	304 Stainless Steel
South Manufacturing	¾" x 1¾" x T <i>South does not include any identification on each Shim</i>	1/64", 1/32", 1/16"	.015", .031", .062"	Call for Pricing	Call for Pricing	Call for Pricing
		1/8"	.125"	Call for Pricing	Call for Pricing	Call for Pricing
		3/16", 1/4"	.187", .250"	Call for Pricing	Call for Pricing	Call for Pricing
		3/8"	.375"	Call for Pricing	Call for Pricing	Call for Pricing
		1/2"	.500"	Call for Pricing	Call for Pricing	Call for Pricing
		1"	1.00"	Call for Pricing	Call for Pricing	Call for Pricing

Brand	Shim Length x Width x T	Material	Price per Thickness (T)			
			.005 - .05"	.06 - .25"	.26 - .50"	.51 - 1.0"
Ray-Check Manufacturing 	¾" x 2" x T <i>Ray-Check includes the material and thickness identified on each Shim</i>	Steel (1018)	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Aluminum (6061)	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Magnesium AZ31 & ZK60	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Aluminum 2014, 2024, 2219, 7075	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Stainless Steel (304)	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Copper, Brass, Alum-Bronze	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Inconel 600, Cu-Ni & Phos-Brnz	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Nickel, Monel, Hast X & C, Monel	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Waspalloy	Call for Pricing	Call for Pricing	Call for Pricing	Up to .375"
		Titanium, Inconel 625 or 718, Zirconium	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Cobalt (Haynes 25 or 188)	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing

Mounting Blocks - for use with ASTM E-1742 IQIs

Standard mounting blocks are supplied in sizes corresponding with ASTM E-1742 IQI sizes.

Brand	Mounting Block Length x Width x T	Material	Price per Thickness (T)			
			.005 - .50"	.51 - 1.0"	1.1 - 1.5"	1.6 - 2.5"
Ray-Check Manufacturing 	1" x 2¼" x T <i>Ray-Check includes the material and thickness identified on each Mounting Block</i>	Steel (1018)	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Aluminum (6061)	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Magnesium AZ31 & ZK60	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Aluminum 2014, 2024, 2219, 7075	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Stainless Steel (304)	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Copper, Brass, Alum-Bronze	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Inconel 600, Cu-Ni & Phos-Brnz	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Nickel, Monel, Hast X & C, Inconel 625 & 718	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Waspalloy	Call for Pricing	Up to .375" Only		
		Titanium, Zirconium	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing
		Cobalt (Alloy Haynes 188)	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing

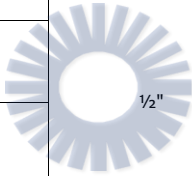
Ray-Check Plaque Type Penetrameters - Individual IQI's - Pratt & Whitney

Pratt & Whitney specifies the use of two classifications of IQI's under the XRM document: TAM specs and ASTM E-1742.

TAM specs are tool numbers assigned to IQI's with a true 2% sensitivity, for use on material sections under 0.2". TAM specs contain detail numbers, each one representing a specific IQI thickness. Additionally, TAM specs contain an AMS number, which specifies the material of the IQI.

ASTM E-1742 is used for all materials, for use on sections from 0.05" and up, with a minimum IQI thickness of 0.005". For materials not covered by a TAM number, see True 2% Penetrameters / IQI's - ASTM E-1742.

**Prices include serialization, calibration & acromag cert**

Pratt & Whitney TAM Code	IQI Width	Details Sizes	Material	AMS #	Price
TAM 108533		#1, #2, #3, #4, #5, #6 .05", .07"(or .08"), .10", .12", .15", .20"	Stainless Steel	5640	Call for Pricing
TAM 140607		#1, #2, #3, #4, #5, #6 .05", .07"(or .08"), .10", .12", .15", .20"	6AL/4V Titanium	4928	Call for Pricing
TAM 142937		#1, #2, #3, #4, #9, #10 .05", .07"(or .08"), .10", .12", .15", .20"	Hastelloy X, Inconel 600, Inconel 718, Waspaloy	5754 5540	Call for Pricing
TAM 142401		#1, #2, #3, #4, #9, #10 .05", .07"(or .08"), .10", .12", .15", .20"	Cobalt (Haynes 25)	5759	Call for Pricing

TAMS are only made in sizes .05" thru .20" per TAM drawings. You can order any size in this range, but only the sizes listed above will have detail numbers.*Ray-Check Plaque Type Penetrameters - Individual IQI's - ASTM E-1742 (Conforming to P&W)**

TAMS are only made in sizes .05" thru .20" per TAM drawings. You can order any size in this range, but only the sizes listed above will have detail numbers. The following prices are for larger IQI's that conform to Pratt & Whitney XRM Requirements.

Prices include serialization, calibration & acromag cert

Specification	Dimensions Length x Width	Material	Size .25" thru 2.5"	Price
ASTM E-1742 <i>Conforming to P&W Specifications</i>	2" x 1/2"	Stainless Steel	.25, .30, .35, .40, .45, .50, .55, .60, .65, .70, .75, .80, .85, .90, .95, 1.0, 1.1, 1.2, 1.3, 1.5, 1.6, 1.7, 1.8, 2.0, 2.1, 2.2, 2.3, 2.5	Call for Pricing
		Inconel 600		Call for Pricing
		Cobalt (Haynes 25 & 188)		Call for Pricing
		Hastelloy X, Inconel 625 & Inconel 718		Call for Pricing
		Titanium 6/4		Call for Pricing

If you are not doing Pratt & Whitney work, please refer to pages 7-9 for information and pricing.*Wire Type IQI's (Penetrameters)**

The only IQI acceptable by API 1104 (20th Edition) and accepted as an alternative to plaque type IQI's by ASME Section V and AWS, these Wire Type IQI's are encapsulated in vinyl for durability. Available in 4 sizes (Sets A, B, C and D) and inspected with instruments calibrated and traceable to the National Institute of Standards and Technology (NIST).

Each size IQI covers a range of thicknesses for which it is used, based on a standard 2T level of inspection.

IQI SIZE	THICKNESS RANGE
Set A	.25" thru .75"
Set B	.75" thru 1.7"
Set C	1.7" thru 4.0"
Set D	4.0" thru 10.0"



TABLE 1 Wire IQI Sizes and Wire Identity Numbers

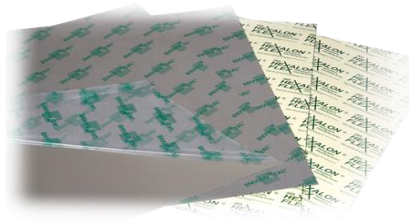
SET A		SET B	
Wire Diameter in. (mm)	Wire Identity	Wire Diameter in. (mm)	Wire Identity
0.0032 (0.08) ⁴	1	0.010 (0.25)	6
0.004 (0.1)	2	0.013 (0.33)	7
0.005 (0.13)	3	0.016 (0.4)	8
0.0063 (0.16)	4	0.020 (0.51)	9
0.008 (0.2)	5	0.025 (0.64)	10
0.010 (0.25)	6	0.032 (0.81)	11
SET C		SET D	
Wire Diameter in. (mm)	Wire Identity	Wire Diameter in. (mm)	Wire Identity
0.032 (0.81)	11	0.10 (2.5)	16
0.040 (1.02)	12	0.126 (3.2)	17
0.050 (1.27)	13	0.160 (4.06)	18
0.063 (1.6)	14	0.20 (5.1)	19
0.080 (2.03)	15	0.25 (6.4)	20
0.100 (2.5)	16	0.32 (8)	21

Brand	Specification	Set	Wire Length	Material (Material Group Number)	Price
QED <i>Includes Certificate of Conformance</i>	ASTM E-747	A	2"	Stainless Steel (1)	Call for Pricing
Ray-Check Manufacturing <i>IQI's are standardly accompanied by a Manufacturer Certificate of Conformance</i> <i>Serialization & Calibration are Available for an Additional Cost - P/N: RCM-SC-WIQI</i>		B	2"		Call for Pricing
			3"		Call for Pricing
		C	2"		Call for Pricing
		A	1" or 2"	Stainless Steel (1) Aluminum (02)	Call for Pricing
		B			Call for Pricing
		C			Call for Pricing
		D			Call for Pricing
		C	3"	Copper (4)	Call for Pricing
		C	4"		Call for Pricing
		D			Call for Pricing
		A	1" or 2"	Titanium (01)	Call for Pricing
		B			Call for Pricing
		A	1" or 2"	Inconel 600 (3)	Call for Pricing
		B			Call for Pricing

FILM HOLDERS**Hexalon (FLEX & ULTRA) Lead Intensifying Cut Screens**

Hexalon is the popular industry standard lead intensifying screen when performing radiographic testing. The FLEX screen includes a proprietary fiber 90 backing for greater flex and durability. The ULTRA screen is the best production screen available and offers the greatest flexibility and resistance to crimping than any other screen on the market.



Item	Size	Thickness	FLEX Price	ULTRA Price
FLEX 	70mm X 10"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	70mm X 17"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	3.5" X 10"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	3.5" X 17"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	4.5" X 10"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	4.5" X 17"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
ULTRA 	5" X 7"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	6" x 10"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	6" x 17"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	7" X 17"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	8" X 10"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	10" X 12"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	11" X 14"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing
	14" X 17"	.005"	Call for Pricing	Call for Pricing
		.010"	Call for Pricing	Call for Pricing

Film Cassettes

This completely flexible film holder (cassette) is easily molded around irregular shapes to ensure proper contact necessary in direct exposure technique. Made from vinyl treated paper with all edges reinforced with tape for durability, this rugged cassette is available in various sizes. **Black Only.**

Item	Color	Style	Size	Price
SVFC70MMX10	Black	Flexible 	70mm x 10"	Call for Pricing
SVFC70MMX17			70mm x 17"	Call for Pricing
SVFC3.5X10			3.5" x 10"	Call for Pricing
SVFC3.5X17			3.5" x 17"	Call for Pricing
SVFC4.5X10			4.5" x 10"	Call for Pricing
SVFC4.5X17			4.5" x 17"	Call for Pricing
SVFC5X7			5" x 7"	Call for Pricing
SVFC6X10			6" x 10"	Call for Pricing
SVFC6X17			6" x 17"	Call for Pricing
SVFC7X17			7" x 17"	Call for Pricing
SVFC8X10			8" x 10"	Call for Pricing
SVFC14X17			14" x 17"	Call for Pricing

*Custom sizes are available upon request

Cloth Cassettes

Tough, water resistant, and highly durable. Our cloth cassettes are made with the seam in the center, on the back cassette. One end of the cassettes is sealed with gaffers tape and the other includes a rubber band for easy opening and closing of the cassette.

Item	Color	Style	Size	Price
CFC70X10	Black	Cloth 	70mm x 10"	Call for Pricing
CFC70X17			70mm x 17"	Call for Pricing
CFC3.5X10			3.5" x 10"	Call for Pricing
CFC3.5X17			3.5" x 17"	Call for Pricing
CFC4.5X10			4.5" x 10"	Call for Pricing
CFC4.5X17			4.5" x 17"	Call for Pricing

*Custom sizes are available upon request



► **Semi-Rigid (Black)** - The outer cover is made up of a 60 point ABS black plastic and is ideal for heavy castings. Features a tape hinge. They are available with or without a lead backing and with or without Velcro closures.

► **Flexible (Black)** - The outer cover is made up of a tough vinyl impregnated fiber stock but flexible enough to contour around shapes. Available in or black to be specified when ordering. They are available with or without a lead backing and with or without Velcro closures.

► **Rigid (Red)** - The outer cover is made up of a base material of ABS plastic that is covered with a red vinyl type material and are ideal for heavy type castings. They are available with or without a lead backing and with or without Velcro closures.

Available Cassette Holder Style's	Size	Flexible Price	Semi-Rigid Price	Rigid Price
	70mm x 10"	Call for Pricing	Call for Pricing	Call for Pricing
	70mm x 17"	Call for Pricing	Call for Pricing	Call for Pricing
	3.5" x 10"	Call for Pricing	Call for Pricing	Call for Pricing
	3.5" x 17"	Call for Pricing	Call for Pricing	Call for Pricing
	4.5" x 10"	Call for Pricing	Call for Pricing	Call for Pricing
	4.5" x 17"	Call for Pricing	Call for Pricing	Call for Pricing
	5" x 7"	Call for Pricing	Call for Pricing	Call for Pricing
	7" x 17"	Call for Pricing	Call for Pricing	Call for Pricing
	8" x 10"	Call for Pricing	Call for Pricing	Call for Pricing
	10" x 12"	Call for Pricing	Call for Pricing	Call for Pricing
	11" x 14"	Call for Pricing	Call for Pricing	Call for Pricing
	14" x 17"	Call for Pricing	Call for Pricing	Call for Pricing

**Custom sizes are available upon request*

Cloth Cassette Material (Belting)

This product is constructed by bonding a sheet of neoprene rubber between two high grade duct cloths of the finest quality durable fabrics. The combination of our dual chain stitch construction and the rugged light-proof material makes a product that has proven reliable for many years.

Our belting material is available in 70mm, 3.5", 4.5", 5", 7" and 8" widths. **Black** only.



Item	Color	Size	Length	Price
BELTING-70MM-1	Black	2.75" (70mm)	1 Foot	Call for Pricing
BELTING-3.5-1		3.5"		Call for Pricing
BELTING-4.5-1		4.5"		Call for Pricing
BELTING-5-1		5"		Call for Pricing
BELTING-7-1		7"		Call for Pricing
BELTING-8-1		8"		Call for Pricing

**Cloth cassette rolls are typically sold in 150' lengths*



Backing Material

Our .050" and .062" nylon backing is available in rolls, or cut to specified lengths with corners radiused. This flexible material will not buckle or deteriorate under normal use. Therefore, it can be used as support in new cassettes many times.

Item	Size	Thickness	Length	Price
BACKING-70MM.050	2.75" (70mm)	.050"	1 Foot	Call for Pricing
BACKING-70MM.062		.062"		Call for Pricing
BACKING-3.5.050	3.5"	.050"		Call for Pricing
BACKING-3.5.062		.062"		Call for Pricing
BACKING-4.5.050	4.5"	.050"		Call for Pricing
BACKING-4.5.062		.062"		Call for Pricing

Hexalon (FLEX & ULTRA) Lead Intensifying Roll Stock

Hexalon is the popular industry standard lead intensifying screen when performing radiographic testing. The FLEX screen includes a proprietary fiber 90 backing for greater flex and durability. The ULTRA screen is the best production screen available and offers the greatest flexibility and resistance to crimping than any other screen on the market.



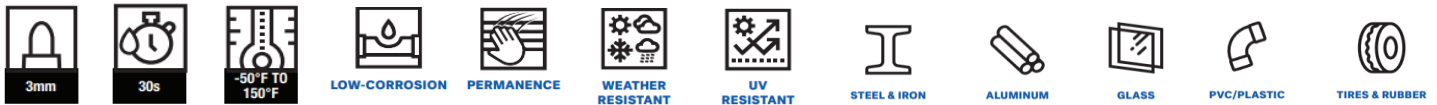
Roll Width	Length	Thickness	FLEX Price	ULTRA Price
2.75" (70mm) Roll	300'	.005"	Call for Pricing	Call for Pricing
	180'	.010"	Call for Pricing	Call for Pricing
3.50" (90mm) Roll	300'	.005"	Call for Pricing	Call for Pricing
	180'	.010"	Call for Pricing	Call for Pricing
4.50" Roll	300'	.005"	Call for Pricing	Call for Pricing
	180'	.010"	Call for Pricing	Call for Pricing
17" Roll	95'	.005"	Call for Pricing	Call for Pricing
	54'	.010"	Call for Pricing	Call for Pricing

EXPOSURE AIDS**Paint Markers****PAINT-RITER**

Paint-Riter® Valve Action® is a fast-drying liquid paint marker that provides long-lasting, wear- and weather-resistant marks that are safe for almost any surface. As the most versatile liquid paint marker in the world, the xylene-free paint reduces user health risks.

Valve Action Paint Marker**Versatile, permanent paint marker for general marking**

- Fast-drying, permanent paint for immediate handling reduces work downtime
- Dura-Nib medium bullet tip resists wear to provide long marking life
- Durable metal barrel and clip-cap reduce breakage and store easily in pocket
- Available in 14 standard and 4 fluorescent colors



PART NO.	DESCRIPTION												
96809	Brown*	96821	Yellow*	96824	Orange*	96827	Gold*	96832	Aluminum*	97051	Fluor. Green†		
96817	Purple*	96822	Red*	96825	Blue*	96828	Light Green*	96835	Light Blue*	97052	Fluor. Orange†		
96820	White*	96823	Black*	96826	Green*	96830	Pink*	97050	Fluor. Yellow†	97053	Fluor. Pink†		

Item	Type	Color	Price / Each	Price / Box of 12
See Above per Color	Standard	Brown, Purple, White, Yellow, Red, Black, Orange, Blue, Green, Light Green, Pink & Light Blue	Call for Pricing	Call for Pricing
	Specialty	Gold, Aluminum, Fluorescent Yellow, Fluorescent Green, Fluorescent Orange & Fluorescent Pink	Call for Pricing	Call for Pricing

QUIK STIK

Quik Stik® All Purpose is a smooth-marking solid paint marker that dries quickly to leave a bold, permanent mark on most surfaces. The durable plastic twist-up holder prevents breakage. Keep hands, clothing, and toolboxes clean with the industry's largest twist-up solid paint marker.

Quik Stik All Purpose**Fast-drying solid paint in twist-up holder**

- Fast-drying vibrant paint marks on virtually any surface: wet, smooth, rough, or hot
- Easy Grip Airtight Cap for convenient pocket storage, self-storing cap keeps the marker clean and fresh between uses
- Solid paint marker advances and retracts by turning twist-up knob
- Available in 8 standard and 4 fluorescent colors



PART NO.	DESCRIPTION												
61049	Red†	61051	White	61069	Green†	61071	Orange†	61041	Fluor. Yellow†	61043	Fluor. Orange†		
61050	Black	61053	Yellow†	61070	Blue†	61073	Purple†	61042	Fluor. Green†	61044	Fluor. Pink†		

Item	Type	Color	Price / Each	Price / Box of 12
See Above per Color	Standard	Red, Black, White, Yellow, Green, Blue, Orange & Purple	Call for Pricing	Call for Pricing
	Specialty	Fluorescent Yellow, Fluorescent Green, Fluorescent Orange & Fluorescent Pink	Call for Pricing	Call for Pricing

Quik Stik All Purpose Mini**Fast-drying solid paint in compact twist-up holder**

- Marks on virtually any surface; wet, smooth, rough or hot
- Solid paint marker advances and retracts by turning twist-up knob
- Compact plastic holder with clip-cap stores easily in pocket and keeps hands and clothing clean
- Available in 4 standard colors



PART NO.	DESCRIPTION												
61126	White	61127	Yellow	61128	Red	61129	Black						

Item	Type	Color	Price / Each	Price / Box of 12
See Above per Color	Standard	Red, Black, White, Yellow, Green, Blue, Orange & Purple	Call for Pricing	Call for Pricing



Since the 1970's, Sakura has been developing markers and pens for use in industrial environments. Extensive research, development has kept Sakura in the forefront of meeting the market demand in various industrial applications such as welding, aerospace, automotive assembly, petrochemical and electronics.

► Pen-Touch Liquid Paint Markers - Pen-touch inks lay down opaque marks on most papers and non-porous surfaces. Ideal for finer marks on steel and iron, sheet metal, glass and plexi-glass, wood, ceramics and porcelain and plastics.

► Solid Marker Low Halogens & Chlorides (certified non-toxic) - the handy applicator features an easy twist-up mechanism that keep paint ready to use. The paint dries quickly in minutes, is waterproof, and fade and chemical resistant. Applications include use on stainless steel, petrochemical and refineries, energy power plants, desalinization plants, transportation infrastructure and aerospace.



Style	Type	Available Color(s)	Tip Diameter	Temp. Rating	Price / Each	Price / Case
Liquid Paint	Pen-Touch Medium	10 - White, Black, Yellow, Red, Purple, Green, Blue, Gold, Silver and Copper	2mm	41 - 104 °F	Call for Pricing	Call for Pricing
Solid Paint	SM - Original	11 - White, Black, Blue, Red, Green, Purple, Orange, Yellow, Fl. Lemon, Fl. Orange and Fl. Pink	13mm	14 - 392 °F	Call for Pricing	Call for Pricing
	SM - Low Temperature	6 - White, Yellow, Red, Blue, Green and Black	13mm	-40 - 212 °F	Call for Pricing	Call for Pricing
	SM - Low Corrosion	4 - White, Black, Red and Yellow	13mm		Call for Pricing	Call for Pricing



Pen-Touch Medium



SM Low Corrosion



PM2



2060



TAPE-GAFFERS-2

Industrial Tapes

Item	Description	Size	UOM	Price
PM2	Intertape Tan Kraft Flatback Paper Tape	1" x 60 Yards	Case of 36	Call for Pricing
2060	3M Scotch Green Masking Tape			Call for Pricing
PC 600	Shurtape Silver Cloth Duct Tape			Call for Pricing
TAPE-GAFFERS-1	ProTapes Black Cloth Gaffers Tape	1" x 55 Yards	Roll	Call for Pricing
TAPE-GAFFERS-2		2" x 55 Yards		Call for Pricing

Cassette Holders

Item	Description	Price
SP*001312	Nylon RT Clamp with Rubber Molded Tips, 9 1/2" Length x 5" Opening	Call for Pricing
PDLM1	Paddle magnets are made of a high-impact plastic with a circular ring magnet at one end and a 3" x 4" flap at the other end	Call for Pricing
SP*001085	1/4" Black Bungee Cord, 100' Roll	Call for Pricing



SP*001312



PDLM1



SP*001085

Swivel Clamps and Source Sticks

Item	Description	Price
SP*001793	2.5" Heavy Duty Stainless Steel Grip Head with "T" Top and 5/8" Socket	Call for Pricing
SP*001153	Swivel Clamp Holder	Call for Pricing
SP*001575	RT Jig - 11" C-Clamp with Welded Angle Iron and an 18" CS Rod Welded and Painted Black	Call for Pricing
SP*002025	24" Aluminum Extension Rod	Call for Pricing
SP*001259	18" Aluminum Extension Rod	Call for Pricing
SP*001268	18" Source Stick with Built-In Collimator Holder	Call for Pricing



SP*001793



SP*001153



SP*001575



SP*001259 or SP*002025



SP*001268

Contact Jigs

Item	Description	Price
SP*001305	2" Contact Jig (Standard)	Call for Pricing
SP*001306	2" Fitting to Fitting Contact Jig	Call for Pricing
SP*001999	QED 2" Fitting to Fitting Contact Jig	Call for Pricing
SP*002000	QED 2" Contact Jig (Standard)	Call for Pricing



SP*001305



SP*001306



SP*001999



SP*002000

Source Stands / Positioning Devices

Item	Description	Price
SP*001577	RT Magnetic Source Stand with (3) 90lb pull magnets including handle and crossbar painted black	Call for Pricing
SP*001986	Aluminum Magnetic Source Stand with (2) 225lb pull magnets and a 18" x 5/8" rod	Call for Pricing
SP*001339	SPIDER (Source Positioning Device) Collapsible self centering device for short length pipes and vessels (Pipe ID Range 10" - 24")	Call for Pricing
SP*001082	Source Stand 8" x 10" Carbon Steel U-Channel Base with Threaded 5/8" Diameter x 36" Long Aluminum Rod	Call for Pricing

SP*001577



SP*001986



SP*001339

SP*001082

**Source Guide Tubes (QSA Global)**

Source Guide Tubes are flexible stainless-steel tubes with a protective polyvinyl covering. Available in both Standard (Yellow) and **EXTREME Condition** (Black) Styles. Standard length is 7 foot, additional sizes are available upon request.



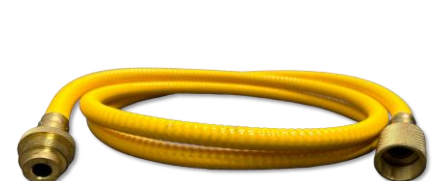
Item	Compatible	Style	Type	Tip Diameter	Adaptor Needed for Source Projector	Price
1210LG	QSA Global (SENTINEL)	Standard (Yellow) <i>Temperature Rating 40°F – 120°F</i>	Fixed Stop	Ø ½ Inch	1244 - Bayonet Adaptor required to connect to Source Projector	Call for Pricing
1220LG			Swivel End			Call for Pricing
1230			Extension			N/A
1210EXTLG		EXTREME Condition <i>Temperature Rating -65°F – 250+°F</i>	Fixed Stop	Ø ½ Inch		Call for Pricing
1220EXTLG			Swivel End			Call for Pricing
1230EXT			Extension			N/A



Type - Fixed Stop
Standard & EXTREME (Pictured)



Type - Swivel End
Standard (Pictured)



Type - Extension
Standard (Pictured)

Source Guide Tubes (SPEC)

Source Guide Tubes are flexible stainless-steel tubes with a protective polyvinyl covering. Available in both Standard (Yellow) and **EXTREME Condition** (Black) Styles. Standard length is 7 foot, additional sizes are available upon request.



Item	Compatible	Style	Type	Tip Diameter	Adaptor Needed for Source Projector	Price
1180LG	SPEC	Standard (Yellow) <i>Temperature Rating 40°F – 120°F</i>	Extension	Ø ½ Inch	1236 - Quick Disconnect required to connect to Source Projector	Call for Pricing
1190LG			Fixed Stop			
1200LG			Swivel End			
1180EXTLG		EXTREME Condition <i>Temperature Rating -65°F – 250+°F</i>	Extension	Ø ½ Inch	1236 - Quick Disconnect required to connect to Source Projector	Call for Pricing
1190EXTLG			Fixed Stop			
1200EXTLG			Swivel End			

Source Tube Components, Attachments & Accessories

Item	Compatible	Description	Price
1244	QSA Global (SENTINEL)	Guide Tube Bayonet Adaptor for your SENTINEL Series Source Projector	Call for Pricing
1237		SENTINEL Threaded End Stop (¾"-10 Female Thread), Ø ½ Inch Tip	Call for Pricing
1243		J-Tube Adapter for QSA Global (SENTINEL) 1"-18M to ¾"-10M	Call for Pricing
1236	SPEC	Quick Disconnect (¾"-10 Female Thread) for your SPEC 150 Source Projector	Call for Pricing
1254		Rigid 18" Stainless Steel Source Tube	Call for Pricing
1255		Rigid 24" Stainless Steel Source Tube	Call for Pricing

**Rigid Source Tubes can be used with QSA Global (SENTINEL) Source Guide Tubes when using a 1243 J-Tube Adapter*



1244



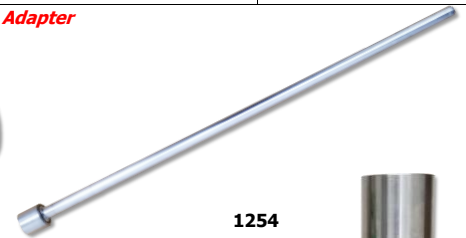
1237



1243



1236



1254

Collimators

Collimators are manufactured with high grade Tungsten material. Side port collimators are available in either flat or slotted faces. Slotted face collimators offer easier and more stable securing during double wall exposure/single wall viewing techniques. Side port collimators are supplied with a thumb screw.



Item	Description	Dimensions - Weight	HVL (Ir192)	Degree	Guide Tube Selection	Price
Q-CO-60M-4.5	Mini Beam Collimator	1.50" Ø x 1.90" L - 1.75 lbs.	4.5	60°	Ø ½ Inch Tip or Smaller	Call for Pricing
1247	Side Port Collimator	2" Ø x 2.30" L - 4.25 lbs.	8	90°		Call for Pricing
1248	Panoramic Collimator	1.56" Ø x 3.50" L - 2 lbs.	4	360° x 40°	SPEC ¾"-10 UNC Male	Call for Pricing
1249		1.56" Ø x 4.75" L - 2.5 lbs.	8			Call for Pricing

**Panoramic Collimators are manufactured to fit standard ¾"-10 UNC Male Source Tube Fittings (SPEC), Need 1243 J-Tube Adapter for connection to QSA Global (SENTINEL) Source Guide Tubes*

Gamma Remote Control Assemblies & Accessories

Gamma radiography control assemblies are used to move a radioisotope source assembly out of a gamma-ray source projector to the radiographic exposure position. When radiographic exposure is complete, the radiographer retracts the source assembly from the exposure position back to the secured shielded location of the gamma-ray source projector.

QED control assemblies feature a durable drive cable sheathed in either extreme condition or Ambient (Standard) conduits and attached to a new, robust hand crank. Our new hand crank consists of an aluminum handle assembly and hanger to minimize equipment damage and reduce unnecessary downtime. A unique ergonomic crank designed specifically for ease of operation reduces crank resistance by up to 50%, allowing for more productivity and less operator fatigue.



Item	Compatible	Description	Length	Price
QSA1120HS	QSA Global (SENTINEL)	Flexible Yellow High Speed Hand Crank Remote Controls	25 Foot	Call for Pricing
QSA1122HS			35 Foot	Call for Pricing
1577		Go-No-Go Gauge for QSA Global (SENTINEL) Drive Cable Connectors		Call for Pricing
SPEC1120HS	SPEC	Flexible Yellow High Speed Hand Crank Remote Controls	25 Foot	Call for Pricing
SPEC1122HS			35 Foot	Call for Pricing

FILM STORAGE**Interleave Paper**

- ▶ AGFA Waygate Paper Folders are acid-free and comes in three common film sizes.
- ▶ South Interleaves are produced using the alkaline paper making process and are available in most film sizes.



Brand	Item	Size	Color	UOM	Price
AGFA (Waygate)	3SQGO	4.5" x 10"	White	Box of 500	Call for Pricing
	3BSNE	4.5" x 17"			Call for Pricing
	HS3XE	14" x 17"			Call for Pricing
South Mfg.	INT3.5X10-200	3.5" x 10"	Yellow	Pack of 200 	Call for Pricing
	INT3.5X17-200	3.5" x 17"			Call for Pricing
	INT5X7-200	5" x 7"			Call for Pricing
	INT7X17-200	7" x 17"			\$ -
	INT8X10-200	8" X 10"			Call for Pricing
	INT10X12-200	10" X 12"			Call for Pricing
	INT11X14-200	11" X 14"			Call for Pricing

Film Storage Envelopes

High Grade 28 oz. and 32 oz. brownkraft exposed film storage envelopes. Available in both Unprinted and PRINTED. Printed envelopes are customized as per your company design or our standard layout. A one time set-up fee for all Printed Envelopes applies for the cost of the metal imprint plate.

Item (UNPRINTED)	Size	UOM	Image	Blank Envelope	Printed Envelope
E45X10	4.5" x 10"	Pack of 100 Case of 500		Call for Pricing Call for Pricing	Call for Pricing
E45X17	4.5" X 17"	Pack of 100 Case of 500		Call for Pricing Call for Pricing	Call for Pricing
ENV5X7	5" X 7"	Pack of 100 Case of 1,000		Call for Pricing Call for Pricing	N/A
E7X17	7" X 17"	Pack of 100 Case of 500		Call for Pricing Call for Pricing	Call for Pricing
ENV8X10	8" X 10"	Pack of 100 Case of 500		Call for Pricing Call for Pricing	Call for Pricing
E10X12	10" X 12"	Pack of 100 Case of 500		Call for Pricing	N/A
ENV11X14	11" X 14"	Pack of 100 Case of 500		Call for Pricing Call for Pricing	
ENV14X17	14" X 17"	Pack of 100 Case of 500		Call for Pricing Call for Pricing	Call for Pricing

**Printed Envelopes have a unique item number specific to each Customer*

Film Storage Boxes

Item	Size	Number of Cell Dividers	Quantity	Price
S-70/25	70mm <i>Sold in Quantities of 10 Only</i>	25	10 Thru 190	Call for Pricing
			200 Thru 490	Call for Pricing
			500+	Call for Pricing
S-70/49	70mm <i>Sold in Quantities of 25 Only</i>	49	10 Thru 190	Call for Pricing
			200 Thru 490	Call for Pricing
			500+	Call for Pricing
S-70/100	70mm <i>Sold in Quantities of 25 Only</i>	100	<i>Volume Discount Applied to All Sizes</i>	
			10 Thru 190	Call for Pricing
			200 Thru 490	Call for Pricing
S-100/100	100mm <i>Sold in Quantities of 10 Only</i>	100	10 Thru 190	Call for Pricing
			200 Thru 490	Call for Pricing
			500+	Call for Pricing



S-70/49



S-70/100



S-100/100

RADIATION SAFETY WARNING SIGNS & LABELS

Radiation Signs

Our radiation signs, sun fast and sealed in two sheets of .016" vinyl, are manufactured in a variety of types. Our most popular are:

- DANGER – High Radiation Area
- CAUTION - Radiation Area Authorized Personnel Only

Available with Velcro for securing to a barrier rope or grommets on the corners of attachment to a flat surface.



Item	Sign Reads	Price
Radiation Signs	Danger - High Radiation Area Caution - Radiation Area Authorized Personnel Only	Call for Pricing

Barricade Rope and Reel

- SP*001212 - Sun-fast, non-conductive, and reusable, yellow/magenta polypropylene barricade rope is a safe and easy method for marking off radiation areas. Ideal for hanging Velcro secured signed on.
- RR - Made of high impact polyethylene with ABS handle and knob.

Item	Description	Price
SP*001212	Radiation Barricade Rope, 5/16" Diameter, 600'/Roll	Call for Pricing
RR	13" Polyethylene Reel (holds both Barricade Rope and Tape)	Call for Pricing
SP*001261	Storage Wheel with Side-Mounted Handle Allowing you to Quickly Wind and Unwind Barricade Tape or Rope	Call for Pricing

**Barricade Rope is Sold in 600' Rolls*



DHRA-SIGN



CRA-SIGN



SP*001212



RR



SP*001261

Barricade Tape

Yellow/magenta barricade tape is safe, economical, and an easy method of marking a large radiation area quickly. The nylon reinforced tape is sun-fast, non-conductive, and reusable. Available in the following:

Item	Size	Tensile Strength	Price
BT-3/4"	3/4" X 150 ft. Roll	100 lb.	Call for Pricing
BT-2"	2" X 150 ft. Roll	300 lb.	Call for Pricing
BT-3"	3" X 1000 ft. Roll	500 lb.	Call for Pricing

Adhesive Signs & Cones

- Adhesive Backed Vinyl Signs - 7" x 10" made with Outdoor Durable Vinyl.

Item	Description	Price
H1418-AB	Caution Radiation Area Keep Out Sign, 7" x 10", Outdoor Durable Vinyl (Adhesive Backed)	Call for Pricing
H1402-AB	Caution High Radiation Area Sign, 7" x 10", Outdoor Durable Vinyl (Adhesive Backed)	Call for Pricing
SP*001252	Caution Radioactive Materials Sign, 7" x 10", Outdoor Durable Vinyl (Adhesive Backed)	Call for Pricing
OC-18	18" Orange Premium PVC Safety Cones - No Reflective Collar	Call for Pricing



BT-3"

BT-3/4" or BT-2"



H1418-AB



H1402-AB



SP*001252



OC-18

Transport Labels

Item	Description	UOM	Price
SP*001073	1 1/2" Diameter RQ Circle Labels	500 / Roll	Call for Pricing
SP*001074	4" x 4" Radioactive II D.O.T. Class 7 Hazard Labels		Call for Pricing
SP*001078	4" x 4" Radioactive III D.O.T. Class 7 Hazard Labels		Call for Pricing



SP*001073



SP*001074



SP*001078

PERSONAL DOSIMETRY

Tracerco T402 Dose Rate Survey Meter

With a lightweight design and robust and reliable housing, the Tracerco T402 handheld radiation dose rate monitor measures x-ray and gamma-ray dose rate and peak dose exposure. The T402 responds quickly and has an extended range for measurements up to 100 mSv/h (10 rem/hr).

This versatile, rugged, and high-performance dose rate monitor is ideally suited for a range of applications such as oil and gas, mining, nuclear, medical, and environmental and life sciences. With peak dose rate memory for recording maximum exposure levels and easy-to-use controls with a backlight display, the T402 is the perfect companion when using your gamma-ray source projectors.

Survey Meter, Rate Alarm and Pencil Type Dosimeter

Item	Description	Price
T402	Tracerco T402 Dose Rate (0-1000 mR/hr) Digital Numeric Display Survey Meter	Call for Pricing
ND-2000-AV	Analog Version Survey Meter 3 Range (0-1000, 0-100, 0-10 mR/hr)	Call for Pricing
ND-2000-DV	Digital Version Survey Meter 3 Range (0-1000, 0-100, 0-10 mR/hr)	
RA-500	NDS Survey Meter 500 mR/hr Audible Rate Alarm	Call for Pricing
4329	W138, Pencil Type Dosimeter, 0-200 mR	Call for Pricing



T402



ND-2000-AV



ND-2000-DV



RA-500



4329

Dosimeter Chargers and Pouches

► 750-6 Piezoelectric Dosimeter Charger requires absolutely no batteries...ever! By pulling the trigger, a dosimeter is easily placed in or removed from the Charger. The clamping action automatically holds the dosimeter for you. Ideal for using in Field Operations.

► 909B Dosimeter Charger - Easier charging, viewing, dosimeter protection and improved accuracy... these are the biggest reasons that the 909B Dosimeter Charger is the best value on the market today!

Item	Description	Price
750-6	Pistol Grip Piezoelectric Dosimeter Charger	Call for Pricing
909B	Battery Powered Dosimeter Charger	Call for Pricing
SP*001221	Multi-Purpose Poly Holder, Fits Rate Alarms, Pencil Type Dosimeters & other Small Tools	Call for Pricing
RACASE	NDS Products Black Mesh Rate Alarm/Dosimeter Holder	Call for Pricing



750-6



909B



SP*001221



RACASE

DARKROOM PROCESSING AIDS

Safelights

Item	Description	Price
SP*001535	18' RED LED Rope light	Call for Pricing
19103	The Angular Safelight is ideal where a direct light over the developing tank or loading bench is wanted. Easy to install via 2 keyholes, the Angular Safelights GBX Type filter measures 5" x 7". The Angular comes complete with a bulb, and a 6' cord with a three prong plug.	Call for Pricing
19198	The Swivel Safelight is perfect for direct spotlighting. This wall mounted unit swivels to any position. Easy to install via 2 keyholes, the Swivel Safelight includes a GBX Type filter, light bulb, and a 6' cord with a three prong plug.	Call for Pricing
SP*001674	24" Fixture and LED Tube Safelight (Lasts up to 50,000 hours)	Call for Pricing
SP*001675	24" LED Tube Safelight Only (Lasts up to 50,000 hours)	Call for Pricing



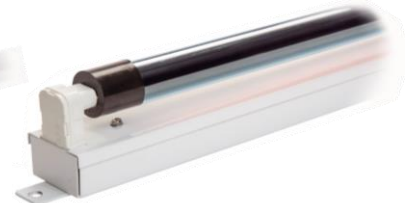
19103



19198



SP*001675



SP*001674

Clip Type Developing Hangers

Clip-type hangers for tank development of sheet films. Four clips are attached to a 316 Stainless Steel frame; the upper two are mounted on a bow string to keep the film taut. The interlock design of the clip results in accurate alignment of pin and hole and permits better washing in the clip areas. Larger sized have loop guides to hold the bow spring and top clips in line to maintain proper tension.

Item	Description	Price
SP*002023	QED 4.5" x 10" Clip Type Film Hanger, 316 Stainless Steel w/ Spacer	#REF!
SP*002024	QED 4.5" x 17" Clip Type Film Hanger, 316 Stainless Steel	

Developing Reels and Rod

- Developing Reels are made of durable ABS plastic, designed for the developing of 70mm roll film. Each Developing Reel will hold 13 feet of roll film.
- Developing Rod is constructed with a 24" x 3/4" PVC pipe to ensure minimum contamination of chemicals; not fancy, but effective.

Item	Description	Price
DR70C	70mm Developing Reel	Call for Pricing
DR90C	90mm Developing Reel	Call for Pricing
DR45C	4.5" Developing Reel	Call for Pricing
ROD-PVC	Developing Rod, 24"L x 3/4" Diameter PVC	Call for Pricing



Miscellaneous Darkroom Supplies

► WMI Indicator-Stop Bath is a low odor acetic stop bath. Used in photographic processing to stop the action of a developer on a film. It helps to prolong the life of the fixer solution by reducing carry over of excess developer (alkaline) into the fixer (acidic) and to maintain the activity of the fixer. The indicator component contains a dye that is pH sensitive and changes color from yellow to purple to signal exhaustion.

► WMI Flo Wash 200 is a concentrated wetting agent used as a final step in processing to inhibit the formation of water spots or streaks on films.



Type	Item	Description	Price
Exposure Aids	DDC	Radiation Dose/ Distance Calculator	Call for Pricing
	EXPCALC-EN	Carestream Film Exposure Calculator, Iridium 192 (Same as JEM & other brands)	FREE
	8924177	Carestream NDT Image Guide	
Manual Chemistry	WMI-SB	WMI Indicator-Stop Bath, 16 oz. Bottle (Makes 8 Gallons)	Call for Pricing
	WMI-FW200	WMI Flo Wash 200 Solution, 16 oz. Bottle	Call for Pricing
	1054873	Carestream INDUSTREX Stop Bath, 1L Bottle (Makes 5 Gallons)	Call for Pricing
	1057025	Carestream INDUSTREX Rinse Solution, 1L Bottle	Call for Pricing
Manual Film Processing Accessories	300	GRALAB Model 300 Timer	Call for Pricing
	2150SS	Electra SAFE-HETE All-Purpose 5 1/2" x 5 1/2" Portable Electric Water Heater Insulated Handle	Call for Pricing
	3150SS	Electra SAFE-HETE All-Purpose 5 1/2" x 11 1/2" Portable Electric Water Heater Insulated Handle	Call for Pricing
	SP*001326	28" Plastic Stirring Paddle	Call for Pricing
	SP*001072	7 1/4" Floating Thermometer w/ String (Display 30°F - 120°F)	Call for Pricing
	Squeegee	Squeegee, 4.75" Wiper Length	Call for Pricing
Film Viewing Accessories	WCG-M, L or XL	White Cotton Inspection Gloves, 12 per Pack (M - 8.1"L , L - 9.2" L , XL - 9.8"L)	Call for Pricing
	SP*001770	Mini Comparater 7X with #5 Reticle and Fabric Pouch	Call for Pricing
	MD-1	Model-1 (ASME) Film Image Scale w/certs	Call for Pricing
	MD-2	Model-2 (API 1104) Film Image Scale w/certs	



EXPCALC-EN



8924177



300



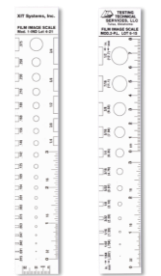
3150SS



SP*001072



Squeegee



MD-1 & MD-2

MOBILE DARKROOMS**Lemker and Harris Darkrooms*****Building Darkrooms Since 1975***

Lemker & Harris is the leading manufacturer of mobile fiberglass RT darkrooms and developing tanks for the NDT service and inspection industry in the USA. We've been a family owned business operating since 1975.

We have three models of darkrooms in our "off the shelf" designs. They are the 6', 8', and 8' Generator. All of these models include a developing tank, front foil, 26 hanger dryer, driver side cabinet, and a cabinet above the developing tanks recessed into the foil. You then have the option of whether or not you want to go with the roof mount RV Style air conditioner, or if you want us to install a standard window unit.

We are here for the long haul and stand behind what we build. Our typical unit usable life is over a decade and with proper care, we see them last even longer.



Item	Description	Price
CR6	L&H 6' Darkroom w/ Rear Mount AC	Currently Unavailable
CR8	L&H 8' Darkroom w/ Rear Mount AC (Full bed width without generator compartment)	
CR8G	L&H 8' Darkroom - Generator Storage Compartment (Driver's Side) w/ Rear Mount AC	

Roof Mount AC is an Available \$695.00 Option

6' Darkroom

This unit is the most popular with pipeline work. Combined with an 8' bed, you have ample storage for anything you may not want to load into a darkroom, but need on the right-of-way.

***8' Darkroom***

Our 8' units give the technician the most room inside possible for them to work. They also have the most storage inside of the unit. For plant/shop work, this unit is a go to for many companies.

8' Generator Darkroom

This is just like our standard 8' unit, but with the exception of having a convenient storage compartment on the driver's side to store a generator. This unit is versatile as it allows you to have the interior space of an 8' unit with space to keep a generator for those times that there is no supplied power to hook up to.



**FREE
INSTALLATION**

We will install your new darkroom on your truck at no additional cost, if you pick up at our Houston facility.

Gulf Coast Darkrooms



We Build to Your Specs

GULF COAST DARKROOMS is located in the Houston, Texas area. We provide the NDT field with Quality Darkrooms at An Affordable Price. We deliver to all 50 States. Free delivery within the Houston area.

What we Offer & What we Do:

GULF COAST DARKROOMS Offers Quality Darkrooms at an Affordable Price. We offer Standard 8' & 6' Darkrooms, Control Rooms, Heat Treatment Darkrooms & Offshore Darkrooms We Also Customize Fab Trailers for On-Site Jobs and Tanks to Your Specific Needs!

All GULF COAST DARKROOMS come equipped with the following:

5 Compartment Fiberglass Developing Tank, Custom Built-In Storage Cabinets, Film Dryer with Built-In Heater (32 Hanger Capacity), Internal Fluorescent Lighting, Rear Window AC Unit, Exterior Flood Light and Exterior Grab Handle.

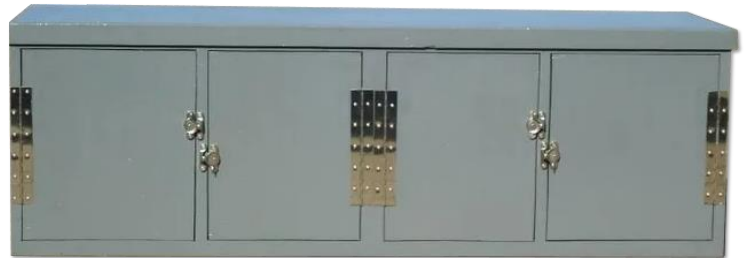
Item	Description	Price
6GC	Gulf Coast 6' Darkroom w/ Rear Mount AC	Call for Pricing
8GC	Gulf Coast 8' Darkroom w/ Rear Mount AC (Full bed width without generator compartment)	Call for Pricing
8GCGEN	Gulf Coast 8' Generator (Driver's Side) Darkroom w/ Rear Mount AC	Call for Pricing

Roof Mount AC is an Available Option - Call for Pricing

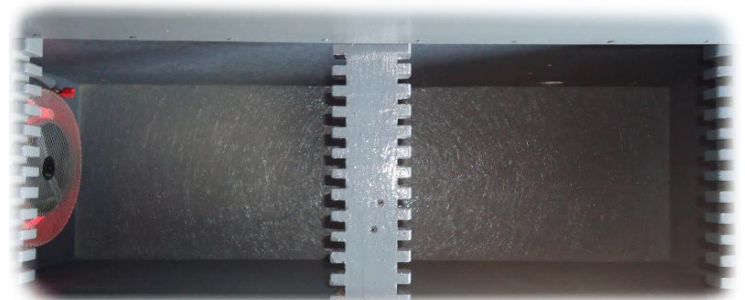
Standard Equipment Included:



Rear AC Unit, Flood Light and Grab Handle



Custom Built-In Storage Cabinets



Film Dryer with Built-In Heater (32 Hanger Capacity)



Gulf Coast Developing Tank w/ 5 Even Compartments and PVC Plumbing



We will install your new darkroom on your truck at no additional cost, if you pick up at our Houston facility.

Miscellaneous Mobile Darkroom Products

DEVELOPING TANKS

L&H Developing Tanks are Widely Considered to be the Industry Standard

The standard design is (5) 10 gallon compartments, which we refer to as the "5 Even". This has been the design that 95%+ of companies have preferred for at least the past 15 years, but we are also happy to provide a developing tank built to your specifications to fit your needs.

Starting in late 2019, L&H replaced the welded stainless pipe/stud that was used to secure the lid with a serviceable stainless forged receiver with a removable stud that allows you to replace the threaded stud at any point if needed.

It is one of the many ways that L&H is constantly pushing themselves to see if there is a better way to provide an even better product for our customers.



SP*001764

Item	Description	Price
SP*001764	L&H Developing Tank w/ 5 Even (10 Gallon) Compartments and PVC Plumbing	Call for Pricing
TANK5GC	Gulf Coast Developing Tank w/ 5 Even (10 Gallon) Compartments and PVC Plumbing	Call for Pricing
SP*001499	21" Wide x 3/4" Thick x 1" Long Developing Tank Replacement Seal with Peel off Adhesive (Specify Length When Ordering)	Call for Pricing
SP*001053	Replacement Low-Profile Darkroom Heater/Blower	Call for Pricing
SP*001982	Camera Security Box with Mounting Bracket Fits all OEM's Gamma Ray Projectors (ID: 16"L x 10"W x 11"H)	Call for Pricing



TANK5GC



SP*001499



SP*001053



SP*001982



2.5"

DARKROOM TRUCK STEP

QED Steps are Aluminum Construction - Never need grease or paint, only two moving quick releases. Slides into receiver hitch and lifts up during travel and down for use. Helps reduce or eliminate any possible falling accidents.

Measure the inside Dimensions of your Truck Receiver before Ordering to Ensure the Correct Fit!

Item	Description	Price
Q-AHS	QED Aluminum Hinged Darkroom Truck Step (Made to Fit a 2.5" Truck Receiver)	Call for Pricing
Q-AHS-R	QED Aluminum Hinged w/ Handrail Darkroom Truck Step (Made to Fit a 2.5" Truck Receiver)	Call for Pricing



Q-AHS



Q-AHS-R

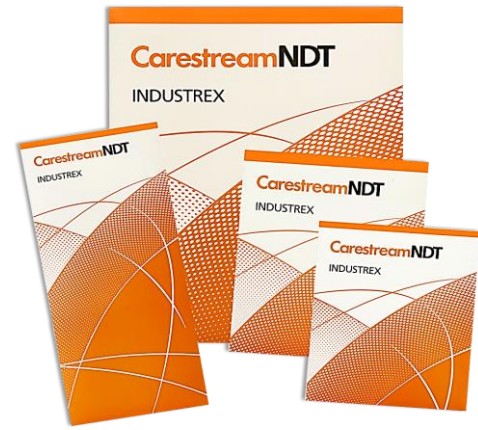
COMPUTERIZED RADIOGRAPHY (CR)

INDUSTREX IMAGING PLATES

CarestreamNDT

The Carestream INDUSTREX improved Flex GP, HR and XL Blue Digital Imaging Plates are:

- Flexible – Wrap around most shapes
- Sharp – Better resolution than high-speed films, and a suitable replacement for many applications
- Versatile – Use in a rigid or flexible cassette
- Efficient – Phosphor plates can be erased and reused thousands of times, require less exposure than film, and provide faster image access
- Certified – All plates meet requirements for the highest system class per EN 14784-1 and ASTM E 2446



High Resolution (HR) Imaging Plates

The high resolution imaging plate is best for applications where the best imaging quality is required. This plate produces weld quality images, and has the best detectability (contrast sensitivity) in the industry. This plate can be used for general X-ray, and Iridium or Selenium applications. Typical industries are oil and gas and aerospace.

Item	Size	Carestream Packaging		QED Packaging Price
		Quantity	Price	
8802324	70mm x 10"	1 - 24 25+	Call for Pricing Call for Pricing	Call for Pricing
8348641	70mm x 17"	1 - 24 25+	Call for Pricing Call for Pricing	Call for Pricing
1006105	70mm x 24"	1 - 24 25+	Call for Pricing Call for Pricing	N/A
1004746	70mm x 36"	1 - 24 25+	Call for Pricing Call for Pricing	
8094922	3.5" x 10"	1 - 24 25+	Call for Pricing Call for Pricing	Call for Pricing
1904267	3.5" x 17"	1 - 24 25+	Call for Pricing Call for Pricing	Call for Pricing
1680214	4.5" x 10"	1 - 24 25+	Call for Pricing Call for Pricing	Call for Pricing
1466945	4.5" x 17"	1 - 24 25+	Call for Pricing Call for Pricing	Call for Pricing
8491615	5" x 7"	1 - 24 25+	Call for Pricing Call for Pricing	Call for Pricing
1734334	6" x 10"	1 - 24 25+	Call for Pricing Call for Pricing	Call for Pricing
1734185	6" x 17"	1 - 24 25+	Call for Pricing Call for Pricing	Call for Pricing
1848688	7" x 17"	1 - 24 25+	Call for Pricing Call for Pricing	Call for Pricing
1775576	8" x 10"	1 - 24 25+	Call for Pricing Call for Pricing	Call for Pricing
1174424	10" x 12"	1 - 24 25+	Call for Pricing Call for Pricing	N/A
8360521	14" x 17"	1 - 24 25+	Call for Pricing Call for Pricing	

Imaging Plate Accessories

Item	Description	Price
SP*001954	16" x 18" Aluminum Profile Backing Plate	Call for Pricing
8619280	Carestream HPX-PRO 6" x 10" Cleaning Plate, Pack of 10	Call for Pricing
5280094	Carestream MIN-R Ready to Use Screen Cleaner Wipes, 50/Bottle	Call for Pricing
8607020	Carestream X-OMAT Antistatic Cleaning Solution for Intensifying Screens, 8oz Bottle	Call for Pricing
33390	KIMTECH Pure 100% Polypropylene W4 Dry Wipers 9" x 9", Pack of 100	Call for Pricing



8619280



5280094



8607020



33390

MAGNETIC PARTICLE



MAGNAGLO - Wet Fluorescent Magnetic Particles

► **14A** fluorescent magnetic particles are a highly sensitive magnetic particle powder engineered to locate very fine discontinuities in critical parts and applications. 14A can be suspended in either a petroleum-based vehicle (oil), such as Magnaflux Carrier II, or in water.

► **14AM** is a high-performance prepared particle bath which combines Magnaflux's best-in-industry 14A magnetic particles with Carrier II NDT-approved suspension oil for quick, reliable mag particle testing with less maintenance.

► **14A Aqua-Glo** offers the benefits of a water bath and the convenience of portable packaging. It is ideal for spot inspections and difficult to process situations where bulk processing is impractical.

► **14A Redi-Bath** is a concentrated liquid with the best-in-industry 14A magnetic particles with water conditioners and corrosion inhibitors. 14A Redi-Bath is designed to be diluted with water to make magnetic particle water bath. The ultra-sensitive 14A particles provide clear, bright, fluorescent green indications under ultra-violet black light for unbeatable inspection quality and accuracy, with superior corrosion protection.

► **20B** is a highly-sensitive magnetic particle premix powder for locating fine discontinuities in high volume applications. Combining Magnaflux's best-in-industry 14A magnetic particles, corrosion inhibitors and wetting agents, 20B is an easy-to-use premix for making magnetic particle water bath.



Item	Product	Description	Working Solution	Packaging	Price
01-0130-71	14A	Powder Concentrate Wet Method Fluorescent Magnetic Particles (Can be used with both Water or Carrier II)	94 Gallons / Jar	1 lb. Jar	Call for Pricing
01-0130-75			1,880 Gallons/ Pail	20 lb. Pail	Call for Pricing
01-0145-78	14AM	Fluorescent Prepared Bath with Carrier II	Premixed	12 Aerosols/Case	Call for Pricing
01-0145-40				5 Gallon Pail	Call for Pricing
01-1725-78	14A Aqua-Glo	Fluorescent Prepared Bath with Water Vehicle	Premixed	12 Aerosols/Case	\$ -
01-9130-41	14A Redi-Bath	Liquid Concentrate Water-Based Fluorescent Magnetic Particles	10 Gallons / Bottle	6 x 27 oz. Bottles	Call for Pricing
01-9130-35			47 Gallons / Pail	4 x 1 Gallon Pails	Call for Pricing
01-0179-71	20B	Powder Concentrate Water-Based Fluorescent Magnetic Particles	10 Gallons / Jar	1 lb. Jar	Call for Pricing
01-0179-70			160 Gallons / Pail	15 lb. Pail	Call for Pricing
01-0179-84			320 Gallons / Pail	30 lb. Pail	Call for Pricing

MAGNAGLO - Petroleum Based Suspension Vehicle & Water Additives

► **Carrier II** - Petroleum suspension vehicle for wet mag particle testing provides excellent particle mobility, good suspension stability and enhanced corrosion protection.

► **AX-52** is a water-soluble corrosion inhibitor developed specifically for water-based magnetic particle suspensions. It provides excellent corrosion inhibition to protect parts and equipment from rusting.

► **WA-2B** is a general-purpose water-conditioning powder which improves surface wetting and magnetic particle dispersion stability in water-based magnetic particle suspensions.

► **ZAF-2** is an excellent general-purpose defoaming additive to eliminate and prevent foaming in water-based magnetic particle suspensions and aqueous cleaning solutions.



Item	Product	Description	Working Solution	Packaging	Price
01-2122-40	Carrier II	Petroleum Distillate Suspension Oil Vehicle	Premixed	5 Gallon Pail	Call for Pricing
01-2122-45				55 Gallon Drum	Call for Pricing
01-2190-40	AX-52	Liquid Concentrate Water-Soluble Corrosion Inhibitor	400 Gallons / Pail	5 Gallon Pail	Call for Pricing
01-2148-63	WA-2B	Powder Concentrate Water Conditioner	60 Gallons / Pail	5 lb. Pail	Call for Pricing
01-9410-20	ZAF-2	Liquid Concentrate Non-Silicone Antifoam	Reference PDS	1 Gallon Jug	Call for Pricing

MAGNAVIS - Wet Visible (Black) Magnetic Particles & White Contrast Paint

► **7C Black** is a highly-sensitive magnetic particle powder for nonfluorescent (visible) wet method magnetic particle testing. Particle suspensions prepared with 7C Black provide clear, strong indications and are ideal for locating fine and medium discontinuities on finished parts.

► **7HF** is a highly-sensitive oil-based magnetic particle suspension aerosol for nonfluorescent wet mag particle testing to find fine and medium discontinuities.

► **MV-740** is a highly-sensitive water-based magnetic particle fluid for non-fluorescent (visible) wet method magnetic particle testing to locate fine and medium discontinuities on finished parts.

► **WCP-2** provides a high contrast background to improve probability of detection and sensitivity during visible magnetic particle inspections.



Item	Product	Description	Working Solution	Packaging	Price
01-1116-81	7C Black	Powder Concentrate Wet Method Visible Magnetic Particles (Can be used with both Water or Carrier II)	320 Gallons / Pail	25 lb. Pail	#REF!
01-1580-78	7HF	Black Visible Premix with Carrier II	Premixed	12 Aerosols/Case	Call for Pricing
01-9140-78	MV-740	Water-Based Visible Magnetic Particle			Call for Pricing
01-2250-78	WCP-2	White Contrast Paint			Call for Pricing

MAGNAVIS - Dry Visible Magnetic Particles

► **#8A Red, #1 Gray & #2 Yellow** provide strong contrast on most metal surfaces during dry method mag particle testing in visible light. It is ready-to-use for visible light flaw detection of surface and slightly subsurface discontinuities in ferrous metals.

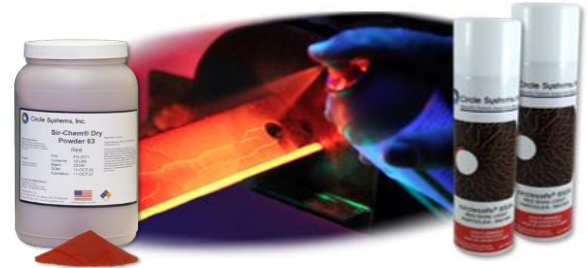


Item	Product	Description	Packaging	Price
01-1780-69	8A Red	Red Non-Fluorescent Magnetic Powder	10 lb. Pail	Call for Pricing
01-1780-87			45 lb. Pail	Call for Pricing
01-1716-69	#1 Gray	Gray Non-Fluorescent Magnetic Powder	10 lb. Pail	Call for Pricing
01-1716-87			45 lb. Pail	Call for Pricing
01-1732-69	#2 Yellow	Yellow Non-Fluorescent Magnetic Powder	10 lb. Pail	Call for Pricing
01-1732-87			45 lb. Pail	Call for Pricing



Circle Systems, Inc
Leading the Way in Service and Chemical Technology in the MPI segment of nondestructive evaluation

Circle Systems designs products with worker safety and environmental protection in mind. Circle has led the way in developing products for use in water based carriers to replace petroleum based chemistry in many applications. Circle has eliminated harmful propellants from the CircleSafe aerosol products.

**CircleSafe & Mi-Glow - Wet Fluorescent Magnetic Particles**

Item	Product	Description	Packaging	Price
FG-3590	778a	Wet Fluorescent (Water Media)	12 x 19 oz Aerosols/Case	Call for Pricing
FG-3572	778s-RTU		6 x 1 Quart Bottles	Call for Pricing
FG-3145	800LS-RTU	Wet Fluorescent (Oil Media)	6 x 1 Quart Bottles	Call for Pricing

Mi-Glow MPI Petroleum Carrier & Petroleum Based Premix

Item	Product	Description	Packaging	Price
FG-3883	CircleSol M	Magnetic Particle Inseption Carrier Oil	5 Gallon Pail	Call for Pricing
FG-3880			55 Gallon Drum	Call for Pricing
FG-3143	800L	Wet Fluorescent (Oil Media)	5 Gallon Pail	Call for Pricing

CircleSafe - Wet Fluorescent & Visible (Dual) Red Magnetic Particles

Item	Product	Description	Packaging	Price
FG-3630	850a	Visible & Fluorescent (Dual) Red Magnetic Particle Bath (Water Media)	12 x 19 oz Aerosols/Case	Available Soon
FG-3642	850s-RTU		6 x 1 Quart Bottles	Call for Pricing

CircleSafe - Wet Visible (Black) Magnetic Particles

Item	Product	Description	Packaging	Price
FG-3600	820a	Nonfluorescent Black (Water Media)	12 x 19 oz Aerosols/Case	Call for Pricing
FG-3612	820s-RTU		6 x 1 Quart Bottles	Call for Pricing
FG-3622	820LS-RTU	Wet Fluorescent (Oil Media)	6 x 1 Quart Bottles	Call for Pricing

Mi-Glow - White Contrast Paint

Item	Product	Description	Packaging	Price
FG-3740	WCP	White Contrast Paint	12 x 16 oz Aerosols/Case	Call for Pricing

Sir-Chem - Dry Visible Magnetic Particles

Item	Product	Description	Packaging	Price
FG-2551	61	Gray Dry Powder	10 lb. Jar	Call for Pricing
FG-2555			50 lb. Pail	Call for Pricing
FG-2571	63	Red Dry Powder	10 lb. Jar	Call for Pricing
FG-2575			50 lb. Pail	Call for Pricing
FG-2621	66	Yellow Dry Powder	10 lb. Jar	Call for Pricing
FG-2625			50 lb. Pail	Call for Pricing
FG-2631	68	Blue Dry Powder	10 lb. Jar	Call for Pricing
FG-2635			50 lb. Pail	Call for Pricing
FG-2651	Black	Black Dry Powder	10 lb. Jar	Call for Pricing
FG-2655			50 lb. Pail	Call for Pricing

Sherwin Incorporated has manufactured its DUBL-Chek line of products since 1964. DUBL-Chek products are approved by governing agencies worldwide, including the US Government, ASME, ASTM, as well as the prime aerospace and military contractors and OEM's.

SHERWIN
INCORPORATED



DUBL-CHEK - Wet Florescent Magnetic Particles

Item	Product	Description	Packaging	Price
GLO-NETIC-16	GLO-NETIC	Fluorescent Premix with Petroleum Carrier	9 Aerosols/Case	Call for Pricing

DUBL-CHEK - Wet Visible (Black) Magnetic Particles / White Contrast Paint

Item	Product	Description	Packaging	Price
BLACK-OXIDE-16	BLACK-OXIDE	Black Oxide Particles with Petroleum Carrier	9 Aerosols/Case	Call for Pricing
CP-2-16	CP-2	White Contrast Paint (Non-Stripable)		Call for Pricing

MPI CONSUMABLE AIDS MATERIAL ACCESSORIES

Applicators & Centrifuge Tubes

► Type 2000 Magnetic Stripe Card is used for instantly evaluating the performance of the fluorescent wet-method bath as per ASTM E-709 & ASTM E-3024. This card can be used to quantitatively evaluate the performance of the fluorescent materials by displaying the number of indications that can be observed after the material has been applied to the stripe.

Item	Description	Price
PB-1	Magnetic Powder Blower provides reliable and controlled application of magnetic inspection powder to areas previously inaccessible	Call for Pricing
RB-4	Green Rubber Powder Applicator	Call for Pricing
RB-1	Powder Removal Bulb, Blue	Call for Pricing
625773	Model M 24 oz. Capacity Black Anodized Aluminum Sprayer w/ Nozzle #602, Adjustable from Extra Fine Mist to Pin Stream	Call for Pricing
SP*001682	Centrifuge Tube for Fluorescent Magnetic Particles, 0 - 1.0 ml in 0.05 graduations (Certified)	Call for Pricing
SP*001683	Centrifuge Tube for Visible Magnetic Particles, 0 - 1.5 ml in 0.10 graduations (Certified)	Call for Pricing
SP*001684	Centrifuge Tube Stand	Call for Pricing



PB-1



RB-4



RB-1

625773



SP*001682 or SP*001683 with SP*001684

YOKES PARKER RESEARCH / MAGNAFLUX YOKES

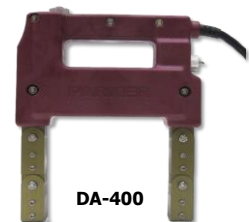
Item	Manufacturer	Waveform	Weight	Additional Items Included	Price
B-100	Parker Research	AC	6.5 lbs.	N/A (Yoke Only)	Call for Pricing
B-300			7.5 lbs.		Call for Pricing
DA-400			8.5 lbs.		Call for Pricing
628554	Magnaflux	Y-2 (AC)	4.8 lbs.	Carrying Case Battery with pouch, battery charger, #1 Gray magnetic powder, yellow paint marker, hand cleaner & carrying case	Call for Pricing
625643		Y-7 (AC/DC)	7.4 lbs.		Call for Pricing
628994		Y-8 (DC)	8 lbs.		Call for Pricing



B-100



B-300



DA-400



628554



625643



628994

YOKE ACCESSORIES

Item	Description	Price
TB-10	Magnetic 10lb Weight Lift Test Bar (Weight is stamped on each bar and is traceable to NIST)	Call for Pricing
TB-10S-4	Set of 4 10lb Weight Lift Test Bars (Weight is stamped on each bar and is traceable to NIST)	Call for Pricing
Y-300-LED	Parker B-300 LED Yoke Light	Call for Pricing
Y-400-LED	Parker B-100 & DA-400 LED Yoke Light	Call for Pricing
628297	Magnaflux Y-2 Replacement Cord	Call for Pricing
628840	Magnaflux Y-2 LED Yoke Light	Call for Pricing



TB-10



Y-300 or Y-400



628297



628840

**MAGNETIC PARTICLE AIDS
FIELD INDICATORS**

Item	Description	Price
N501196001	MD-220 Hall Effect Magnetic Field Strength Indicator	Call for Pricing
Q-PFI	QED Pie Field indicator with Certificate of Conformance	Call for Pricing
MG-25-10	Model 25 Magnetic Field Indicator, Range 10-0-10 (Calibrated)	Call for Pricing
MG-25-20	Model 25 Magnetic Field Indicator, Range 20-0-20 (Calibrated)	Call for Pricing
SP*001548	Economy Magnetic Field Indicator, Range 10-0-10 (Un-Calibrated)	Call for Pricing



N501196001



Q-PFI



MG-25-10



MG-25-20

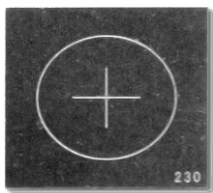


SP*001548

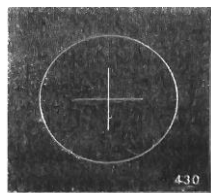
QUANTITATIVE QUALITY INDICATORS (QQIs)

Quantitative Quality Indicators (QQI) are magnetic particle test piece shims with artificial defects used to verify field direction and relative strength. QQIs are also used to balance multi-directional fields and to increase productivity by minimizing magnetizing shots.

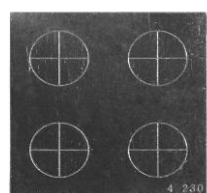
Item	Model	Description	Price/Set of 5
631590	CX-230	0.002 inch (0.05 mm) thickness with a notch flaw depth of 30% of shim thickness	Call for Pricing
631591	CX-430	0.004 inch (0.10 mm) thickness with a notch flaw depth of 30% of shim thickness	Call for Pricing
631592	CX4-230	Four circle-cross notch patterns, to be cut by user into four separate shims. 0.002 inch (0.05 mm) thickness with a notch flaw depth of 30% of shim thickness	Call for Pricing



631590



631591



631592

**TEST PIECES**

Item	Description	Price
008M004	Magnetic Flux Indicator Strips (Burma Castrol) Type I (General), Set of 5	Call for Pricing
SP*001685	AS-5282 Tool Steel Ring (formerly Ketos Ring) including Certification Report	Call for Pricing
NA16	Notch Defect Test Bar (System Performance Test Piece - NAVSEA T907A-AS-GIB-010/271)	Call for Pricing
MTU-3	Reference Block Type 1 /MTU-3/ EN ISO 9934-2:2002 Magnetic Particle Test Block	Call for Pricing



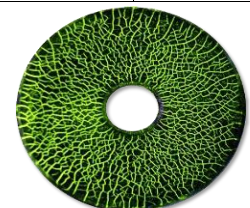
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SP*001685



NA16



MTU-3

LIQUID PENETRANT

LPI CONSUMABLES

Magnaflux provides NDT-pros, engineers, and technician inspectors with chemical consumable products developed and tested to maximize process reliability in fluorescent penetrant inspection (FPI) and dye penetrant testing.



ZYGLO - Fluorescent Penetrant (Type 1)

Methods A (Water Washable) & C (Solvent Removable)

Item	Product	Description	Sensitivity	Size	Price
01-3272-78	ZL-60D	Fluorescent Penetrant	Level 2 (Medium)	12 Aerosols/Case	Call for Pricing

ZYGLO - Fluorescent Penetrant (Type 1)

Methods B (P.E., Lipophilic) & C (Solvent Removable)

Item	Product	Description	Sensitivity	Size	Price
01-3187-78	ZL-27A	Fluorescent Penetrant	Level 3 (High)	12 Aerosols/Case	Call for Pricing
01-3188-78	ZL-37		Level 4 (Ultra-High)		Call for Pricing

SPOTCHECK - Visible Penetrant (Type 2)

Methods A (Water Washable) & C (Solvent Removable)

Item	Product	Description	Method	Size	Price
01-5155-78	SKL-SP2	Visible Penetrant	C	12 Aerosols/Case	Call for Pricing
01-5155-40				5 Gallon Pail	Call for Pricing
01-5190-78	SKL-WP2	Visible Penetrant	A & C	12 Aerosols/Case	Call for Pricing
01-5190-40				5 Gallon Pail	Call for Pricing

SPOTCHECK - Cleaner & Remover

(Used for both Type 1 & 2 Penetrants)

Item	Product	Description	Class	Size	Price
01-5750-78	SKC-S	Solvent Cleaner & Remover	2	12 Aerosols/Case	Call for Pricing
01-5750-40				5 Gallon Pail	Call for Pricing

ZYGLO / SPOTCHECK - Developer (Used for both Type 1 & 2 Penetrants)

(Used for both Type 1 & 2 Penetrants)

Item	Product	Description	Form	Size	Price
01-3354-78	ZP-9F	Solvent-based Developer	d/e	12 Aerosols/Case	Call for Pricing
01-5352-78	SKD-S2				Call for Pricing

Met-L-Chek, a McGean company, is an approved manufacturer, qualification laboratory, and supplier of liquid penetrant inspection materials under SAE QPL AMS 2644 by the United States Air Force Research Laboratory's Materials and Manufacturing Directorate at Wright Paterson Air Force Base.



Met-L-Chek - Visible Penetrant (Type 2)

Methods A (Water Washable), B (P.E., Lipophilic) & C (Solvent Removable)

Item	Product	Description	Method	Packaging	Price
29234-0001	VP-31A	Visible Penetrant	B & C	12 Aerosols/Case	Call for Pricing
29224-0001	VP-30		A & C		Call for Pricing

Met-L-Chek - Cleaner/Remover & Developer

(Used for both Type 1 & 2 Penetrants)

Item	Product	Description	Class / Form	Packaging	Price
29064-0001	E-59A	Solvent Cleaner & Remover	Class 2	12 Aerosols/Case	Call for Pricing
29014-0001	D-70	Developer Non-Aqueous	Form d/e		Call for Pricing

SHERWIN
INCORPORATED



SHERWIN Dubl-Chek products are approved by governing agencies worldwide, including the US Government, ASME, ASTM, as well as the prime aerospace and military contractors and OEM's.

DUBL-CHEK - Visible Penetrant (Type 2)

Methods A (Water Washable), B (P.E., Lipophilic), C (Solvent Removable) & D (P.E., Hydrophilic)

Item	Product	Description	Method	Packaging	Price
DP-40-16	DP-40	Visible Penetrant	B, C & D	9 Aerosols/Case	Call for Pricing
DP-51-16	DP-51		A & C		Call for Pricing

DUBL-CHEK - Cleaner/Remover & Developer

(Used for both Type 1 & 2 Penetrants)

Item	Product	Description	Class / Form	Packaging	Price
DR-60-16	DR-60	Cleaner/Remover	Class 2	9 Aerosols/Case	Call for Pricing
D-100-16	D-100	Developer Non-Aqueous	Form d/e		Call for Pricing

DUBL-CHEK - Hi-Temp Visible Penetrant (Type 2), Remover & Developer

(Can be used up to 350°F)

Item	Product	Description	Method / Class / Form	Packaging	Price
KO-17-16	KO-17	Hi-Temp Visible Penetrant	Method A & C	9 Aerosols/Case	Call for Pricing
KO-19-16	KO-19	Hi-Temp Remover	Class 2		Call for Pricing
D-350-16	D-350	Hi-Temp Developer	Form d/e		Call for Pricing

LPI ACCESSORIES

MATERIAL ACCESSORIES

LPI Applicators & Sprayers

► DEMA Injector Kit - For spraying Hydrophilic Emulsifier. The emulsifier is drawn into the water stream by the Dema valve, emitting an emulsifier/water spray. The Dema Injector allows the penetrant user to process parts with the Hydrophilic method without adding large dip tanks.

Item	Description	Price
625773	Model M 24 oz. Capacity Black Anodized Aluminum Sprayer w/ Nozzle #602, Adjustable from Extra Fine Mist to Pin Stream	Call for Pricing
S-1/2HH-25-D	Tri-Con NDT Rinse/Spray Gun Complete	Call for Pricing
520090	Magnaflux Water Spray Gun w/ Hose Adapter	Call for Pricing
SP*001695	244CT DEMA Injector Kit - for emitting an Hydrophilic Emulsifier/Water Spray	Call for Pricing



625773



S-1/2HH-25-D



520090



SP*001695

Monitoring Devices & Wiping Cloths

► Refractometer - Easy to use device to measure the concentration of the Hydrophilic Emulsifier remover in water and is required to meet Pratt and Whitney and GE concentration specifications for Hydrophilic removers.

► Hydrometer - Water Based Developers are designed for optimum performance within a specific concentration range. To control the concentration, the specific gravity is measured using the Hydrometer. If the reading is high, the concentration is high and water is generally added. If the reading is low, developer is added to the bath.

Item	Description	Price
300	GRALAB Model 300 Timer	Call for Pricing
2353	MASTER-53M Hand Held Refractometer	Call for Pricing
53M-CAL	Calibration Certificate for MASTER-53M Refractometer	Call for Pricing
53M-CASE	MASTER Carrying Case for 53M Refractometer	Call for Pricing
5857	Hydrometer (for monitoring developer concentration)	Call for Pricing
RAGS-50	White Lint Free Rags, 50 lb. Box	Call for Pricing



300



2353



5857



RAGS-50

REL TAM PANEL

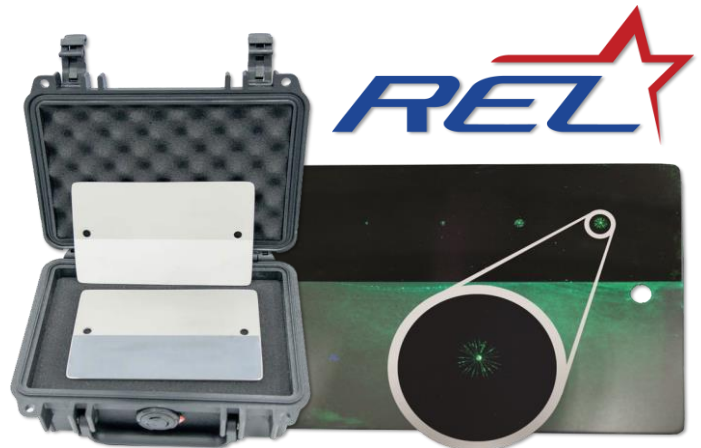
REL has added TAM Panels to its line of World Class NDT Solutions. REL is an approved Pratt & Whitney Source Manufacturer of the TAM 146040-1 Mirror Chrome Plate Finish TAM panel and the TAM 146040-2 Grit Finish Panel. REL's Testing and Monitoring (TAM) Panel uses a proprietary, non-clogging, Nickel plating that is heat treated to exact tolerances to produce an environmentally friendly Hexavalent Chromium Free product.

Your uniquely serialized REL TAM Panel includes

- Protective Case with Panel Certification
- Serialized crack size certification documents
- Pictures of the manufactured defects (5 each panel and 1:1 photo)

REL TAM Panel Features

- Pratt & Whitney Approved TAM 146040-1 (Mirror Finish) and TAM 14640-2 (Grit)
- Certification for GE Aviation Process Specification P3TF47
- Rolls Royce Approved
- REL Designed Green: Hexavalent Chromium Free
- Panel plating is designed to comply with RoHS, REACH, WEE, ELV, and Proposition 65



Item	Description	Type	Finish	Package Includes	Price
250-00103	REL TAM Panel	Twin (Polished)	TAM 146040-1 Mirror Finish	Case with Panel Certification, Serialized Crack Size Certification Documents, and Pictures of the Manufactured Defects (5 each)	Call for Pricing
250-00104		Single (Polished)			Call for Pricing
250-00105		Single (Grit)	TAM 146040-2 Grit Finish		Call for Pricing
250-00106		Twin (Grit)			Call for Pricing

ADDITIONAL LPI PANELS/BLOCKS**NiCr Twin Cracked Test Panels**

NiCr Panels are used to compare new and used penetrants and can also be used for comparing performance of different penetrant materials or different processing techniques. Each set consists of a pair of identical panels marked A and B with manufacturer's Certification and Crack photograph.

These panels are made by plating hard Nickel Chromium alloy on a 2mm thick brass substrate and stressing the panel in tension. The hard NiCr coating is brittle in comparison to the brass substrate so that the cracks created in the plated layer are limited to the thickness of the NiCr layer. The panel is then cut in half perpendicular to the direction of the cracks thus creating a matching pair of virtually identical cracks of controlled depth.



Sensitivity* (Unofficial)	Crack Depth	Level
50 µm	1, 2, 3, 4	
30 µm	2, 3, 4	
20 µm	3, 4	
10 µm	4	

- Fluorescent Penetrant Sensitivity Levels are established by the USAF Laboratory at Wright Patterson AFB under highly controlled conditions.
- Sensitivity testing is not something the penetrant manufacturer or user can do. What you can do is compare samples using appropriate NiCr Cracked Panels.

Item	Description	Specification Compliance	Sensitivity (Flaw Depth)	Level	Price
NiCr-10	NiCr Test Panel	ASTM E1417, AMS 2647D, ISO 3452-3 & JIS Z 2343-3	10µm (0.0004")	4	Call for Pricing
NiCr-20			20µm (0.0008")	3, 4	
NiCr-30			30µm (0.0012")	2, 3, 4	
NiCr-50			50µm (0.002")	1, 2, 3, 4	

Additional LPI Test Panels & Blocks

► WTP-1 SHERWIN Wash Test Panel is used to run monthly removability testing as required by ASTM E1417 and MIL-STD-6866. The panel is made of stainless steel measuring 4" x 6" and 0.090" thick with two parallel, "medium rough" strips, each 6" x 1.5" separated by a smooth 1" strip.

► WTP-2 SHERWIN Wash Test Panel is used to run removability tests. The 1.5" x 2" panel is made from 16 gauge 301 or 302 stainless steel, by grit blasting with 80 mesh aluminum oxide grit and 60 psi of air pressure. The roughened surface that is produced is free of scratches and blemishes.

► ADP-A SHERWIN Aqueous Developer Test Panel is used to check the fluorescence and coverage of soluble and suspendable aqueous developers as per ASTM E1417. The panel is made of aluminum measuring 3" x 10".

► Cracked Aluminum Test Blocks compare sensitivity of different penetrants or sensitivity of new and used penetrants. This is done by processing one half of the block with used penetrant and the other half with fresh penetrant. A 1/8" wide groove separates the blocks two sides to facilitate side-by-side penetrant comparison.

Item	Description	Price
WTP-1	SHERWIN Wash Test Panel (Removability as per ASTM E1417 & MIL-STD-6866)	Call for Pricing
WTP-2	SHERWIN Wash Test Panel (Removability)	Call for Pricing
ADP-A	SHERWIN Aqueous Developer Test Panel (as per ASTM E1417)	Call for Pricing
CAB	Cracked Aluminum Test Block	Call for Pricing

**Cracked Aluminum Test Blocks are meant for one-time use as once the penetrant gets in the crack it is very difficult to completely clean.*



WTP-1



WTP-2



ADP-A

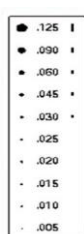


CAB

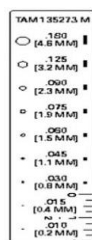
LPI MEASURING AIDS**Crack Comparators**

Crack comparators are used to measure the actual size of indications identified during the liquid penetrant inspection process.

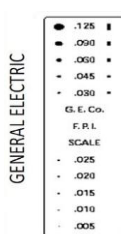
Item	Description	Price
514048	Fluorescent Green General Purpose Crack Comparator, measured in increments 0.005" to 0.125"	Call for Pricing
514050	Fluorescent Green Pratt & Whitney (TAM 135273) Crack Comparator, measured in increments 0.010" to 0.180"	Call for Pricing
SP*001697	Fluorescent Green General Electric Crack Comparator, measured in increments 0.005" to 0.125"	Call for Pricing
SP*001698	Fluorescent Green Fractional Size Crack Comparator, measured from 1/64" to 1/4"	Call for Pricing
SP*001699	Fluorescent Green Swing Away General Purpose Crack Comparator, measured in increments 0.005" to 0.125"	Call for Pricing
SP*001481	Fluorescent Green Swing Away (TAM 190466) Crack Comparator, measured in increments 0.005" to 0.180"	Call for Pricing



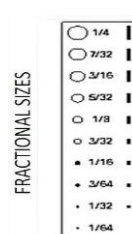
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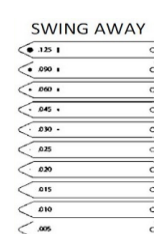
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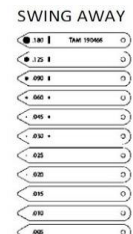
SP*001697



SP*001698



SP*001699



SP*001481

BLACKLIGHTS

HANDHELD LED UV-A LAMPS

MAGNAFLUX HANDHELD

EV6000 LED UV-A Lamp

The EV6000 features a large 9 inch (5,000 $\mu\text{W}/\text{cm}^2$), uniform beam without hot spots that is one of the widest in the industry and is certified to NDT standards for LED UV lamps and certified for Aerospace Prime and OEM specifications for emission spectrum and beam profile. Each unit is shipped with a manufacturer's certificate of conformance which meets or exceeds all current specifications for use with fluorescent liquid penetrant and magnetic particle testing.



Item	Description	Compliance	UV Intensity	UV Coverage	Price
625784	EV6000 Hand-Held LED UV lamp	ISO 3059, ASTM E3022 & RRES 90061	5,000 $\mu\text{W}/\text{cm}^2$	Ø 9 Inches	Call for Pricing



UVISION 365 Series UV-A Lamps

The Uvision 365 SERIES is Spectrolines' innovative line of compact, broad-beam NDT handheld lamps. These lightweight yet rugged lamps boast an IP65 rating – they are dust-tight and water resistant. Using a state-of-the-art heat sink design, the uVision™ is mechanically cooled without the need for a fan. In addition to three powerful UV-A (365 nm) LEDs, it has a convenient white light LED for illuminating work areas. Compliant versions have embedded microprocessors to keep lamps within specifications.

What's Included...

Mains Model - Comes complete Uvision 365 LED UV-A Lamp, in-line AC power supply, UV-absorbing spectacles, and padded protective case.

Battery Model - Comes complete Uvision 365 LED UV-A Lamp with in-handle lithium battery, in-line AC charger and cord, UV-absorbing spectacles, and padded protective case.



Item	Model	Version	Compliance	UV Intensity	UV Coverage	Price
UV-365HC	DELUXE	HC (AC)	ISO 3059 & ASTM E3022	6,000 $\mu\text{W}/\text{cm}^2$	Ø 6.4 Inches	Call for Pricing
UV-365ZHC		ZHC (Battery)		8,000 $\mu\text{W}/\text{cm}^2$	Ø 7.5 Inches	Call for Pricing

*Additional options that comply with Rolls-Royce RRES 90061 are available upon request.

LABINO HANDHELD

MB 3.0 Series UV-A Lamps

This compact light is simply Genius! A combination of smart mechanics and efficient electronics, designed to survive extreme temperatures and harsh working conditions. Penetrant resistant, with acoustic battery indicator and certified with an ingress protection marking of IP68. Depending on the model, the beam diameter is 8-9 inches and with intensities that vary from 4,500 to 9,000 $\mu\text{W}/\text{cm}^2$. Zeus and Selene are equipped with a strong white light as well. The AC (mains) operated model weighs just 1.4 lbs and the battery operated model weighs just 1.5 lbs.

Mains AC Version Package Includes:

Lamp with 13 foot cord, Power Supply Unit 100-240V AC, AC power cord, UV Block Glasses and Carrying Case. The cord can be customized to the length of your choice.

Battery Version Package Includes:

Lamp, Car Charger, Four Batteries, UV Block Glasses, External Charger for wall outlet, Carrying Case, Belt holster and Power supply for charging batteries while operating.



Pictured w/ Athena

Item	Model	Version	Compliance	UV Intensity	UV Coverage	Price
L119	ZEUS Built in White Light	AC	ISO 3059, ASTM E3022, RRES 90061, AITM6-1001, Pratt & Whitney & Boeing	4,500 μW/cm²	Ø 9 Inches	Call for Pricing
L118		Battery				
L121	HERMES	AC	ISO 3059, ASTM E3022, RRES 90061, AITM6-1001, Pratt & Whitney, Boeing & USAF			
L120		Battery				
L139	SELENE Built in White Light	AC	ISO 3059, ASTM E3022, AITM6-1001 & Pratt & Whitney	9,000 μW/cm²	Ø 8 Inches	
L138		Battery				
L125	ATLAS	AC	ISO 3059, ASTM E3022, AITM6-1001, Pratt & Whitney & USAF			
L124		Battery				

Optional Spray Can Holder Accessory "Athena" (pictured above)

Athena mounts on the light and can fit ALL aerosol brands that are used in NDT. Buy it factory installed or add it later (Item A503).

C4 MAGNUM & MAGNUM-GO Series Lamps

The C4 Magnum contains a single high flux LED UV emitter that has a built in static-electric discharge circuit to allow the light to perform in all environments regardless of ambient conditions. Designed for Fluorescent Penetrant Inspection (FPI) and Magnetic Particle Inspection (MPI), the C4 Magnum provides a 10-inch diameter of UV-A intensity above 1,000 $\mu\text{W}/\text{cm}^2$ at 15 inches. The integral filter in the C4 Magnum limits the visible light to 20 lux at 15 inches and 5 lux at 36 inches.

Each lamp is sealed and cooled with an engineered finned housing manufactured from a military grade aluminum. The IP67 rated housing allows the lamp to perform in all environments regardless of ambient conditions. The C4 Magnum will survive the toughest, wettest, and most severe work environments on the planet!

Three (3) Ways to Buy:**► UV-2000 or UV-3000 Kit Includes:**

Glo-Black C4 Magnum LED UV-A Lamp, Bolt-on Power Cord for Magnum, 120V, 60W Power Supply, Tool Control System and Safety Glasses

► UV-2000NC or UV-3000NC Kit Includes:

Glo-Black C4 Magnum LED UV-A Lamp, Bolt-on Power Cord for Magnum, 120V, 60W Power Supply and Safety Glasses

► UV-2000LM or UV-3000LM Kit Includes:

Glo-Black C4 Magnum LED UV-A Lamp (Legacy Model), 10' DC Extension Power Cord, 25W Wall Mounted Power Supply and Safety Glasses

Item	Model	Version	Compliance	UV Intensity	UV Coverage	Price
UV-2000	C4 MAGNUM <i>UV-A Only</i>	AC	ISO 3059, ASTM E3022, RRES 90061, AITM6-1001	5,000 $\mu\text{W}/\text{cm}^2$	Ø 10 Inches	Call for Pricing
UV-2000NC						Call for Pricing
UV-3000	C4 MAGNUM-GO <i>UV-A & White Light</i>	AC	ISO 3059, ASTM E3022, RRES 90061, AITM6-1001	5,000 $\mu\text{W}/\text{cm}^2$	Ø 10 Inches	Call for Pricing
UV-3000NC						Call for Pricing

C4 NOMAD & NOMAD-GO Series Lamps

The C4 Nomad is powered by the versatile Milwaukee M18 battery pack, allowing the operator to choose the optimal amp/hour battery best suited for their continuous use application. The C4 Nomad is designed for all intensity requirements of Fluorescent Penetrant Inspection (FPI) and Magnetic Particle Inspection (MPI). REL's C4 Nomad inspection lamps contain high flux UV-A and white light LED emitters with built-in static-electric discharge circuits.

The C4 Nomad provides a 10-inch diameter of UV-A intensity >1000 $\mu\text{W}/\text{cm}^2$ at 15 inches. The integral filter in the UV-A emitter limits the visible light to 20 lux (1.86 foot-candles) at 15 inches, and 5 lux (0.47 foot-candles) at 36 inches. The lamp performs in all environments regardless of ambient conditions. The C4 Nomad LED UV-A will survive the toughest, wettest, and most severe work environments on the planet!

Three (3) Ways to Buy:**► UV-2400 or UV-3400 Kit Includes:**

Glo-Black C4 Nomad LED UV-A Lamp, 120V M18 Battery Charger, Two (2) M18 2-Amp Hour Batteries, Tool Control System and Safety Glasses

► UV-2400BT or UV-3400BT Kit Includes:

Glo-Black C4 Nomad LED UV-A Lamp (Bare Tool) and Safety Glasses

► FPI Mobile Testing Nomad or Nomad-Go Kit Includes:

Item Number 470-00000 & 470-10000 Type 1 (Fluorescent), Method C (Solvent Removable)

Glo-Black C4 Nomad LED UV-A Lamp, 120V M18 Battery Charger, Two (2) M18 2-Amp Hour Batteries, 1 Can Penetrant, 1 Can Developer, 2 Cans Cleaner, Tool Control System with foam that is cross-linked polyethylene, resistant to jet fuel and hydraulic fluid and Safety Glasses



Item	Model	Version	Compliance	UV Intensity	UV Coverage	Price
UV-2400	C4 NOMAD <i>UV-A Only</i>	Powered by M18 REDLITHIUM Run Time / Battery - 2.5 hrs	ISO 3059, ASTM E3022, RRES 90061, AITM6-1001	5,000 $\mu\text{W}/\text{cm}^2$	Ø 10 Inches	Call for Pricing
UV-2400BT						Call for Pricing
470-00000						Call for Pricing
UV-3400	C4 NOMAD-GO <i>UV-A & White Light</i>	Powered by M18 REDLITHIUM Run Time / Battery - 2.5 hrs	ISO 3059, ASTM E3022, RRES 90061, AITM6-1001	5,000 $\mu\text{W}/\text{cm}^2$	Ø 10 Inches	Call for Pricing
UV-3400BT						Call for Pricing
470-10000						Call for Pricing

NOMAD & NOMAD-GO Spare Batteries and Charger

The C4 Nomad is powered by the versatile Milwaukee M18 battery pack, allowing the operator to choose the optimal amp/hour battery best suited for their needs.

Item	Description	Price
470-00007	REL 120 Volt M18 Battery Charger	Call for Pricing
470-00008	REL M18 Battery, 2.0 Amp Hour	Call for Pricing

FLASHLIGHT LED UV-A LAMP

SPECTRO-UV FLASHLIGHT



CLARITY 365 Series Flashlights



The Clarity 365 SERIES is the highest quality, longest running, COMPLIANT LED UV-A flashlight in the world! The IP68-rating means that it can withstand continuous immersion in one meter of water, making it ideal for rough environments. The 9-hour battery life is enough for a full work shift, making it the longest-running NDT flashlight on the market. Standing up to strict NDT standards, this product provides all of the top features including an induction charging base.

What's Included...

Lithium-Ion Version Includes - Flashlight w/ battery, induction charging dock, AC power cord, USB power cord, belt holster, UV-absorbing glasses & carrying case

**Additional options are available upon request.*

Item	Model	Version	Compliance	UV Intensity	UV Coverage	Price
SPN-CLR365-SC	STANDARD INTENSITY	SC (Lithium-Ion)	ISO 3059 & ASTM E3022	4,500 $\mu\text{W}/\text{cm}^2$	Ø 4 Inches	Call for Pricing

LABINO FLASHLIGHT / HEADLIGHT

UVG3 2.0 Series Flashlights

Powerful, penetrant resistant and with an Ingress Protection 68 (Waterproof). The beam profile is probably the largest and smoothest from any UV-A torch light on the market. Depending on the model, the beam diameter is 3-5 inches and with intensities that vary from 4,000 to 80,000 $\mu\text{W}/\text{cm}^2$! Battery running times are up to 8 hours.

One UV LED with White Light Block Filter

A high quality UV LED with respective high quality white light block filter that does not suffer from solarization.

UVG3 2.0 Single Kit Package Includes:

Lamp, Car Charger, Two Batteries, UV Block Glasses, External Charger for wall outlet, carrying case, belt holsters, wrist band, rubber bumper.



Item	Model	Compliance	UV Intensity	UV Coverage	Battery Run Time	Price
L134	SPOTLIGHT	ISO 3059 & ASTM E3022	80,000 $\mu\text{W}/\text{cm}^2$	Ø 3 Inches	4 Hours	Call for Pricing
L135	MIDLIGHT	ISO 3059, ASTM E3022, AITM6-1001, Pratt & Whitney & USAF	9,000 $\mu\text{W}/\text{cm}^2$	Ø 3.8 Inches	8 Hours	
L136	FLOODLIGHT	ISO 3059, ASTM E3022, RRES 90061, AITM6-1001, Pratt & Whitney & Boeing & USAF	4,000 $\mu\text{W}/\text{cm}^2$	Ø 4.8 Inches	4 Hours	

UVG5 2.0 Series Headlight



Extremely durable! Compact, powerful and adjustable headlight that frees your hands during inspections. White light is optional. The beam profile is probably the largest and smoothest from any UV-A headlight on the market today. Depending on the model, the beam diameter is 3-5 inches and with intensities that vary from 4,000 to 80,000 $\mu\text{W}/\text{cm}^2$! Battery running times are up to 14 hours.

Battery Powered

Powered by two lithium batteries that can be recharged either by a cigarette outlet in a vehicle, a wall outlet or a PSU charger (without removing the batteries).

One UV LED with Filter and Optional Four White Light LEDs

A high quality UV LED with respective high quality white light block filter that does not suffer from solarization. Two different white lights: (a) a strong "search" white light for use in dark and tight spaces such as pipes and tanks and (b) a visual inspection white light.

3 Year Warranty

Item	Model	Compliance	UV Intensity	UV Coverage	Battery Run Time	Price
L127	Spotlight Built in White Light	ISO 3059 & ASTM E3022	80,000 $\mu\text{W}/\text{cm}^2$	Ø 3 Inches	8 Hours	Call for Pricing
L128 L129	Midlight L128 - Built in White Light	ISO 3059, ASTM E3022, AITM6-1001 & Pratt & Whitney	9,000 $\mu\text{W}/\text{cm}^2$	Ø 3.8 Inches	14 Hours	
L130 L131	Floodlight L130 - Built in White Light	ISO 3059, ASTM E3022, RRES 90061, AITM6-1001, Pratt & Whitney & Boeing	4,000 $\mu\text{W}/\text{cm}^2$	Ø 4.8 Inches	8 Hours	

**USAF has a requirement of No White Light and a Maximum Intensity of 10,000 $\mu\text{W}/\text{cm}^2$ making L129 the preferred Lamp.*

OVERHEAD LED UV-A LAMPS

REL OVERHEAD

PROFUSION Modular UV-A System

REL's classic Profusion overhead UV-A inspection lamps are an expandable and configurable modular system for stationary non-destructive testing applications.

The Profusion is designed for all intensity requirements of Fluorescent Penetrant Inspection (FPI) and Magnetic Particle Inspection (MPI). Each Profusion module provides a 10-inch diameter of UV-A intensity above 1000 $\mu\text{W}/\text{cm}^2$ at 15 inches. The integral filter in the Profusion limits the visible light to 20 lux at 15 inches and 5 lux at 36 inches. Each Profusion module contains LED emitters with a built-in static-electric discharge circuit.

The lamp's electrical components are sealed and passively cooled with an engineered finned housing manufactured from military-grade aluminum. The IP68 rated housing allows the lamp to perform in all environments regardless of ambient conditions.

Key Features

- ▶ IP68 Rated - Dust Sealed and Waterproofed
- ▶ Passive cooling via engineered finned housing with military-grade aluminum
- ▶ Modular & conformable system available in single, double bank and triple bank, or custom configurations
- ▶ Built-in static-electric discharge unit safety feature
- ▶ Tested and Complies with ASTM E3022, ROLLS-ROYCE RRES 90061, AIRBUS AITM6-1001 and ISO 3059 Specifications



Item	Model	Number of Modules	Compliance	UV Intensity	UV Coverage	Price
UV-4000	PROFUSION	1	ISO 3059, ASTM E3022, RRES 90061, AITM6-1001	Max 5,000 $\mu\text{W}/\text{cm}^2$	Ø 10 Inches	Call for Pricing
UV-4000DB		2			Ø 10 Inches x 2	Call for Pricing
UV-4000TB		3			Ø 10 Inches x 3	Call for Pricing
UV-4000QB		4			Ø 10 Inches x 4	Call for Pricing
UV-4000PB		5			Ø 10 Inches x 5	Call for Pricing



PROFUSION XW UV-A System

REL's Profusion XW IP68 rated overhead lamp builds on the classic Profusion to offer 7x higher output and wider coverage area in a lamp head of equal frontal area.

Massive amounts of UV-A wavelength emission in a small package! The Profusion XW is the perfect lamp for larger FPI and MPI non-destructive testing environments. The design of this package was demanded by aerospace and space companies that produce parts that are over 100 feet in length. Integration of heat sinks and cooling are a foundational part of this lamp's design.

Key Features

- ▶ IP68 Rated - Dust Sealed and Waterproofed
- ▶ 7x the intensity of the classic Profusion Lamp
- ▶ Tested and Complies with ASTM E3022, ROLLS-ROYCE RRES 90061, AIRBUS AITM6-1001 and ISO 3059 Specifications
- ▶ High intensity UV-A light emitters for a wide coverage areas
- ▶ Built-in static-electric discharge unit safety feature
- ▶ 100% continuous duty at full output

Item	Model	Compliance	UV Intensity	UV Coverage	Price
UV-4700	PROFUSION XW	ISO 3059, ASTM E3022, RRES 90061, AITM6-1001	10,000 $\mu\text{W}/\text{cm}^2$	Ø 20 Inches	Call for Pricing

LIGHT METERS

LABINO, SPECTRO-UV & ECONOMICAL LIGHT METERS

XS-555/L



Manufacturer	Item	Description	UV Light Sensor Operating Range	White Light Sensor Operating Range	Price
LABINO	M513	Apollo 3.0 Series Single Kit w/ Carrying Case	0 - 50,000 $\mu\text{W}/\text{cm}^2$	0 - 10,000 Lux (930 fc)	Call for Pricing
SPECTRO-UV	XP-2000	AccuPRO Dual Sensor, Complete with Rechargeable "AAA" Batteries, AC Charger and Carrying Case	0 - 100,000 $\mu\text{W}/\text{cm}^2$	0 - 5,382 Lux (500 fc)	Call for Pricing
	XRP-3000	AccuMAX Complete w/ Digital Readout Unit (XR-1000) and Protective Rubber Boot, Dual Sensor (XDS-1000), Water Resistant USB Cable and Carrying Case.			Call for Pricing
	XS-555/L	Luminance Sensor Detector, Visible (555nm) for AccuMAX			Call for Pricing
Economical Off Brand	SP*001477	Digital Illuminance Meter	N/A	0 - 200,000 Lux (20,000 fc)	Call for Pricing
	SP*001197	Digital UV-A/B Meter	0 - 40,000 $\mu\text{W}/\text{cm}^2$	N/A	Call for Pricing

ULTRASONIC CALIBRATION BLOCKS


CURTIS INDUSTRIES, INC.

REFERENCE STANDARDS

Item	Block Type	Description	Material Type	Price
CI-IIW1.11018	IIW-Type 1	Used for calibration of shear and longitudinal transducers, and verification of shear wedge exit point and refracted angle. Can also be used for resolution and sensitivity checking. In accordance with: IIW (International Institute of Welding) and ASTM E164.	1018 Steel	Call for Pricing
CI-IIW1.ISS			304 Stainless Steel	Call for Pricing
CI-IIW1.WC			Wooden Case	Call for Pricing
CI-IIW2.11018	IIW-Type 2	A modified version of the original IIW-Type 1 design. includes a 2.0" radius x 0.250" deep cut-out superposed on the 4.0" radius for distance calibration. Also includes numbers 3, 5 and 8 through holes (3/64", 5/64" AND 8/64" diameter) for sensitivity testing or surface wave inspection, and distance calibration marks to the 2.0" hole. In accordance with International Institute of Welding, ASTM E164 and U.S. Air Force NDI Manual T.O. 33B-1-1 specifications.	1018 Steel	Call for Pricing
CI-IIW2.ISS			304 Stainless Steel	Call for Pricing
CI-IIW2.WC			Wooden Case	Call for Pricing
CI-AB.ICS	Angle Beam	The Angle Beam Block also known as a "Rompas" block or simply "Angle Beam" is the ASTM and U.S. Air Force substitute for the DSC block for distance, beam index, refracted angle and sensitivity calibration. Block is 1.0" thick, contains a 1.0" radius opposite a 2.0" radius, and a 5/64" diameter x 0.375" deep flat-bottom hole.	1018 Steel	Call for Pricing
CI-AB.ISS			304 Stainless Steel	Call for Pricing
CI-AB.WC			Wooden Case	Call for Pricing
Q5S-1018	QED 5-Step Block	5-Step Block for thickness and linearity calibration in accordance with ASTM E797. Step Thickness: 0.100", 0.200", 0.300", 0.400", and 0.500"	1018 Steel	Call for Pricing
Q5S-304			304 Stainless Steel	Call for Pricing
SP*001356			Plastic Case	Call for Pricing
Q4S-1018	QED 4-Step Block	4-Step Block for thickness and linearity calibration in accordance with ASTM E797. Step Thickness: 0.250", 0.500", 0.750", and 1.000"	1018 Steel	Call for Pricing
Q4S-304			304 Stainless Steel	Call for Pricing
SP*001356			Plastic Case	Call for Pricing
CI-TIPSY.ICS	TIPSY	Special Step Block for thickness and linearity calibration. This versatile block contains eight (8) steps. Set it down on one side and get the 1.0, 2.0, 3.0 and 4.0" steps. Then "TIP" it over and get the 1.5, 2.5, 3.5, and 4.5" steps.	1018 Steel	Call for Pricing
CI-TIPSY.ISS			304 Stainless Steel	Call for Pricing
CI-TIPSY.WC			Wooden Case	Call for Pricing
CI-DSCBLOCK.ICS	DSC	AWS-type block used for shear wave distance and sensitivity calibration. Contains a 1.0" radius opposite a 3.0" radius. The 3.0" radius includes a 0.375" deep x 0.032" wide radius slot. Also contains a 0° reference point for checking exit point on wedge, and a 0.125" diameter through hole and corresponding markings at 45°, 60°, and 70° for measuring actual refracted angle. In accordance with ASTM E164 and AWS 6.16.1B.	1018 Steel	Call for Pricing
CI-DSCBLOCK.ISS			304 Stainless Steel	Call for Pricing
CI-DSCBLOCK.WC			Wooden Case	Call for Pricing
CI-NAV32.ICS	NAVSHIP 32 Finish	Used for distance amplitude correction, sensitivity levels and flaw depth information. Contains six 3/64" diameter side-drilled through-holes at distances of 0.25" to 2.75" in 0.25" increments. MTDs are engraved near both scan edges on one face. In accordance with MIL-STD-271G Figure 9, and NAVSHIP Specification 0900-006-3010/Section 6. Comes with a Standard 32 Finish. If a 125 Finish is needed please call for pricing.	1018 Steel	Call for Pricing
CI-NAV32.ISS			304 Stainless Steel	Call for Pricing
CI-NAV.WC			Wooden Case	Call for Pricing
CI-AWS.CS	AWS Resolution	Also called an RC block, the AWS Resolution Reference Block is used for checking resolution capabilities of angle beam transducers. Contains three sets of 0.0625" diameter through-holes for 45°, 60° and 70°. In accordance with AWS Welding Highway and Railway Bridges specification D2.0, and Structural Welding Code ANSI/AWS D1.1.	1018 Steel	Call for Pricing
CI-AWS.SS			304 Stainless Steel	Call for Pricing
CI-AWS.WC			Wooden Case	Call for Pricing
CI-DCBLOCK.ICS	DC	AWS-type block used for shear wave distance calibration. Contains a 1.0" radius overlaying a 2.0" radius on a 180° segment. In accordance with ASTM E164 and BRR/AWS X-1 specifications.	1018 Steel	Call for Pricing
CI-DCBLOCK.ISS			304 Stainless Steel	Call for Pricing
CI-DCBLOCK.WC			Wooden Case	Call for Pricing
CI-SCBLOCK.ICS	SC	AWS-type block used for shear wave sensitivity calibration. Contains two 0.062" diameter through holes. In accordance with ASTM E164 and BRR/AWS requirements.	1018 Steel	Call for Pricing
CI-SCBLOCK.ISS			304 Stainless Steel	Call for Pricing
CI-SCBLOCK.WC			Wooden Case	Call for Pricing
CI-DSBLOCK.CS	DS	AWS-type block used for longitudinal distance and sensitivity calibration. Contains a 2.0" high section between two 4.0" sections. In accordance with AWS requirements.	1018 Steel	Call for Pricing
CI-DSBLOCK.SS			304 Stainless Steel	Call for Pricing
DI-DSBLOCK.WC			Wooden Case	Call for Pricing
CI-BASICL.5.CS	ASME Basic 1/2" Thick 6" W x 7" L	ASME Basic Calibration Block Article 4, Figure T-434.2.1	1018 Steel	Call for Pricing
CI-BASICL.5.SS			304 Stainless Steel	Call for Pricing
CI-BASICL.5.WC			Wooden Case	Call for Pricing
CI-BASICL.75.CS	ASME Basic 3/4" Thick 6" W x 7" L	Used for establishment of primary reference responses for UT examination of welds. Block contains three side-drilled holes at 1.5 deep minimum at 3/32 diameter. Hole locations through the thickness are 1/4, 1/2, and 3/4T. Also contains two EDM notches measuring 2%T deep x 1/4 max wide x 1.0 long min. In accordance with ASME Sec V Art. 4 Fig. T-434.2.1.	1018 Steel	Call for Pricing
CI-BASICL.75.SS			304 Stainless Steel	Call for Pricing
CI-BASICL.75.WC			Wooden Case	Call for Pricing
CI-BASICL.1.5.CS	ASME Basic 1 1/2" Thick 6" W x 10" L	ASME Basic Calibration Blocks are intended to be representative of actual components, and therefore do not have the smooth scanning surfaces found on most general-purpose test blocks like the IIW or DSC. Instead, our Basic Calibration Blocks are media blasted on all surfaces to create a rough surface texture that is more characteristic of real-world inspection conditions.	1018 Steel	Call for Pricing
CI-BASICL.1.5.SS			304 Stainless Steel	Call for Pricing
CI-BASICL.1.5.WC			Wooden Case	Call for Pricing
CI-BASICL.3.CS	ASME Basic 3" Thick 6" W x 12" L		1018 Steel	Call for Pricing
CI-BASICL.3.SS			304 Stainless Steel	Call for Pricing
CI-BASICL.3.WC			Wooden Case	Call for Pricing

Additional Blocks & Material Types are Available Upon Request. 7075 Aluminum Pricing is the same as 1018 Steel for all Curtis Blocks.

ULTRASONIC COUPLANT

GENERAL PURPOSE

• **Echogel 20** is an economical, basic-use couplant in medium-thick gel viscosity for ultrasonic inspections, like flaw detection/sizing and thickness gauging, where salt cake or metal corrosion salts are present. It provides good corrosion inhibition and resists viscosity breakdown on salt-caked boilers and other corroded materials.

• **Sonotrace 30** is a general-purpose ultrasonic couplant in medium-thick gel viscosity for flaw detection and thickness gauging applications. This glycerin-free couplant is a great choice for applications requiring minimum halogens, sulfur and low melting point metals, and offers good performance at a lower price point.

• **Soundsafe** is a high-performance, general-purpose ultrasonic couplant. This medium viscosity gel couplant is well known for its outstanding performance, excellent corrosion protection, thixotropic properties and comprehensive range of specifications and approvals.



• **Ultragel II** is an industry-leading, high-performance, ultrasonic couplant for flaw detection and sizing, thickness gauging, flow metering and acoustic emission testing. This general-purpose medium viscosity gel is known for its outstanding performance, excellent corrosion protection, thixotropic properties and comprehensive range of specifications and approvals.

• **UT-X Powder** is a cost-effective couplant powder for flaw detection and thickness gaging applications where ferrous corrosion inhibition is required. Mixed with water at the inspection site, its compact and lightweight packets are easy to transport to a job site or to store as an emergency couplant for unanticipated shortages.

Item	Product	Couplant Form & Viscosity	Temperature Range	Container Size	Price
48-901 48-905 48-955	Echogel 20	Gel	27 to 140°F	1 Gallon Cubitainer	Call for Pricing
		5.5		5 Gallon Cubitainer	Call for Pricing
				55 Gallon Drum	Call for Pricing
42-901 42-905 42-955	Sonotrace 30	Gel	25 to 175°F	1 Gallon Cubitainer	Call for Pricing
		4.5		5 Gallon Cubitainer	Call for Pricing
				55 Gallon Drum	Call for Pricing
20-901 20-905 20-955	Soundsafe	Gel	0 to 200°F	1 Gallon Cubitainer	Call for Pricing
		5.5		5 Gallon Cubitainer	Call for Pricing
				55 Gallon Drum	Call for Pricing
25-912 25-901 25-905 25-955	Ultragel II	Gel	-10 to 210°F	12 x 12 oz Bottle(s)	Call for Pricing
		5		1 Gallon Cubitainer	Call for Pricing
				5 Gallon Cubitainer	Call for Pricing
				55 Gallon Drum	Call for Pricing
62-110 62-510	UT-X Powder	Powder	32 to 120°F	1 Gallon Packet	Call for Pricing
		Variable		5 Gallon Packet	Call for Pricing

**Viscosity subjective measure on a 0 - 10 scale where 0 = water, 5 = medium gel, 10 = very thick paste*

HIGH TEMPERATURE



• **Pyrogel 100** is a broad temperature range couplant for thickness gauging, flow metering, acoustic emissions testing and flaw detection/sizing. These products contain no polymers and resists drying, making them an excellent choice for long term flow metering applications

• **Sono 600** is a versatile, multi-purpose couplant with a wide operating temperature range for flaw detection, thickness gauging and acoustic emission testing in petrochemical, power generation, automotive, aerospace, food processing equipment and pharmaceutical manufacturing.

• **Sono 1100** provides coupling for high-temperature thickness gauging and will maintain acoustic coupling at high temperatures beyond 15 seconds to give ample time to obtain thickness readings. In most cases, the signal strength increases with time to the point of the couplant's thermal decomposition.

Item	Product	Couplant Form & Viscosity	Temperature Range	Container Size	Price
24-212 24-901	Pyrogel 100	Thick Gel	-50 to 805°F	2 x 12 oz Bottle(s)	Call for Pricing
		N/A		1 Gallon Cubitainer	Call for Pricing
45-912 45-901	Sono 600	Thick Gel	700 to 775°F	12 oz Bottle	Call for Pricing
		N/A		1 Gallon Cubitainer	Call for Pricing
30-T05 30-901	Sono 1100	Medium Paste	0 to 700°F	2.8 oz Tube	Call for Pricing
		N/A		1 Gallon Pail	Call for Pricing

**Viscosity subjective measure on a 0 - 10 scale where 0 = water, 5 = medium gel, 10 = very thick paste*

Specification Compliance

Code	Echogel 20	Sonotrace 30	Soundsafe	Ultragel II	UT-X Powder	Pyrogel 100	Sono 600	Sono 1100
API	X	X	X	X		X	X	X
ASME BPVC	X	X	X	X		X	X	X
ASTM F519	X		X	X				
ASTM F945			X	X				
AWS	X	X	X	X		X	X	X
Pratt & Whitney			X	X				
PWA 36604			X	X				

EQUIPMENT & TRANSDUCERS

THICKNESS GAUGES

Danatronics EHC-09 Series Gauges

The EHC-09 series is available in 6 models to suit every budget and application. What's best is our simple upgrade path where all gauges are capable of quickly and easily (directly from the keypad) adding any software options. Features include a graphic display with multiple languages, vibrate on alarm, fast minimum, echo to echo to ignore coatings, 100K reading Datalogger with export to excel, B-scan and live A-scan with waveform adjust.

Standard EHC-09 Wave Series includes: Ultrasonic thickness gauge, DKS-537, 5 MHz 0.375 inch diameter potted cable, operational manual, Data XL interface program, couplant, and transport case. See chart below for standard inclusions for each gauge.

**Limited 2 Year Warranty on Parts & Labor*



**ECHO Thickness Gauge Pictured*

Model	Description	Price
EHC-09A	Hand-Held Digital Ultrasonic thickness gage including, NIST Traceable calibration certificate	Call for Pricing
EHC-09B	Hand-Held Digital Ultrasonic thickness gage including, NIST Traceable calibration certificate	Call for Pricing
EHC-09	Hand-Held Digital Ultrasonic thickness gage including: Echo to Echo software, NIST Traceable calibration certificate	Call for Pricing
EHC-09DL	Hand-Held Digital Ultrasonic thickness gage including: Echo to Echo & Datalogger w/ B-Scan software, NIST Traceable calibration certificate	Call for Pricing
EHC-09-W	Hand-Held Digital Ultrasonic thickness gage with including: Live Waveform/A-Scan, Echo to Echo, NIST traceable calibration certificate	Call for Pricing
EHC-09DLW	Hand-Held Digital Ultrasonic thickness gage including: Echo to Echo, Datalogger w/ B-Scan & Live Waveform/A-scan software, NIST Traceable calibration certificate	Call for Pricing

Danatronics ECHO Series Gauges

The ECHO series has a remarkable sunlight readable 3.5" color display, up to 32 Gb of micro SD memory, built-in rechargeable high capacity Li Ion battery all packaged in a custom case designed for IP67 rating. Not sure which model to choose? Don't worry, the ECHO series is fully capable of field upgrades directly from the keypad so you will never be stuck with an obsolete product or experience any downtime. ECHO Series can measure from .020" to 23" in steel in corrosion mode or as thin as .006" in steel when configured as a precision gauge.

Standard Inclusions: ECHO series ultrasonic thickness gauge, DKS-537, transducer up to 10 MHz, LM-06 cable, 2oz bottle of couplant, operation manual, Data XL interface program, USB cable, Charger Adapter, Transport Case *A transducer is included with each model.

ECHO 9 - Corrosion Thickness Gauge

**Limited 2 Year Warranty on Parts & Labor*

Model	Description	Price
ECHO 9	Hand-Held Digital Ultrasonic CORROSION thickness gage including: Echo to Echo software, NIST Traceable calibration certificate	Call for Pricing
ECHO 9W	Hand-Held Digital Ultrasonic CORROSION thickness gage including: Echo to Echo & Live Waveform/A-Scan software, NIST Traceable calibration certificate	Call for Pricing
ECHO 9DL	Hand-Held Digital Ultrasonic CORROSION thickness gage including: Echo to Echo & Datalogger w/ B-Scan software, NIST Traceable calibration certificate	Call for Pricing
ECHO 9DLW	Hand-Held Digital Ultrasonic CORROSION thickness gage including: Echo to Echo, Datalogger w/ B-Scan & Live Waveform/A-Scan software, NIST Traceable calibration certificate	Call for Pricing

**ECHO 7 (Precision) & ECHO 8 (Corrosion and Precision) Series Thickness Gauges are Available Upon Request*



Dakota Ultrasonics ZX Series Gauges

The ZX Series of thickness gauges are packaged in an all aluminum case making them the most durable gauges on the market. The features included in the ZX Series offer a quality tool that will meet or exceed your application requirements. Our 5 year limited warranty indicates how we feel about the reliability and durability of the ZX Series gauges.

ZX Series Kits Include: Ultrasonic thickness gauge, selectable transducer, couplant, manual, plastic carrying case, certificate of calibration and AA batteries. PC software and data transfer cable included with data logging gauges. PC software available for download from website.

**Limited 5 Year Warranty*

Item	Model	Description	Price
Z-300-0003	ZX1	Single velocity calibration. Velocity manually set using the VEL key on the keypad. Backlit display.	Call for Pricing
Z-302-0003	ZX3	Easy field calibration; 1 or 2 point options. Selectable 8 common material velocities, 2 custom velocities, or set manually using the CAL key. Auto/manual zero, adjustable gain, selectable probe diameter (linearity), high Speed Scanning, and Backlit Display.	Call for Pricing
Z-304-0003	ZX5-DL	Same features as the ZX-5 (less serial over USB), plus an on-board data logger - Stores 10,000 readings in 40 files of 250 readings per file. USB-C connectivity, Includes transfer cable.	Call for Pricing
Z-306-0003	ZX6-DL	Same features as the ZX-6 (less serial over USB), plus an on-board data logger - Stores 10,000 readings in 40 files of 250 readings per file. USB-C connectivity, includes transfer cable.	Call for Pricing

**Additional Dakota Ultrasonics Thickness Gauges are Available Upon Request.*

FLAW DETECTORS

Sonatest

Sonatest WAVE Interactive Flaw Detector

Introducing WAVE by Sonatest. It integrates the latest technologies available in order to create a revolution in the ultrasonic non-destructive testing equipment market. Not only is it innovative, but the customisable interface also optimises the daily workflow, and a unique and embedded interactive scan plan, with ray-tracing capability and simulation tools, consolidates your results.

Interactive Scan Plan

The WAVE interactive scan plan has been developed to ease diagnostics on the inspected part. The scan plan can reproduce complex geometries such as Curved parts and T-joints. Combined with a real-time Raytracer, this unique feature facilitates the distinction between a real flaw and a geometrical indication. Thus avoiding unnecessary repair.

Kit Includes: WAVE Flaw Detector, Battery & Charger (with mains cable), Ultrasonic Couplant, Ethernet Adapter & Cable, User Manual ,Quick Start Guide, Certificate of Calibration & Carrying Case.



Model	Description	Price
WAVE BNC	Sonatest WAVE BNC Kit	Call for Pricing

**Additional Sonatest Flaw Detectors are Available Upon Request*

CONVENTIONAL TRANSDUCERS, WEDGES AND CABLES

Conventional Transducers and Wedges

CoreNDT manufactures two series of Standard Transducers: General Purpose (G) and High Resolution (H). Please refer to the information below to determine which series is best suited for your application.



General Purpose (G) Series

Offers the best combination of sensitivity and resolution for the majority of contact flaw detection applications and recommended for the majority of pulse-echo applications. Typically having two to three full ring cycles, these transducers are tuned to provide the best balance between gain and resolution for general purpose testing, with a bandwidth of 30% to 60% at -6 dB.

High Resolution (H) Series

Designed for optimum resolution and maximum bandwidth. The H Series are broadband transducers, making them an excellent choice for thickness gaging applications. While gain is somewhat lower than the G Series, they are damped to the limits of current technology, exhibiting one or two ring cycles with a bandwidth of 60% to 100% at -6 dB.

UT Wedges

UT wedges are used in industrial NDT inspections to introduce the transducer's acoustic energy at a non-perpendicular angle thereby allowing the sound beam to be transmitted at a more-optimized angle within the test part. The wave mode and angle is selected to maximize the ability to identify and size defects based on the test part's material, defect type, and orientation.

Axial OD - Inspecting Circumferential features from the pipe's OD.

Circumferential OD - Inspecting Axial features from the pipe's OD.

Short Exit - Allows closer inspection proximity to a joint, seam or weld crown.



CoreNDT Angle Beam Transducers & Wedges

Angle Beam transducers are used in conjunction with a wedge to introduce a refracted shear wave into the material being tested. Our standard angle beams are built to be low noise and offer substantial power.

Transducer Type	Transducer Style	Part Number	Size	Frequency (MHz)	Connector Type	Price
Angle Beam	Standard	AB-1-500-G	.500" Ø	1	Top Mount BNC	Call for Pricing
		AB-1-500-1000-G	.500" x 1.00"			Call for Pricing
		AB-2-500-G	.500" Ø	2.25		Call for Pricing
		AB-2-500-500-G	.500" x .500"			Call for Pricing
		AB-2-500-1000-G	.500" x 1.00"			Call for Pricing
		AB-2-750-1000-G	.750" x 1.00"			Call for Pricing
		AB-2-1000-G	1.00" Ø			Call for Pricing
		AB-5-500-G	.500" Ø	5		Call for Pricing
		AB-5-500-500-G	.500" x .500"			Call for Pricing
		AB-5-500-1000-G	.500" x 1.00"			Call for Pricing
AB-5-1000-G	1.00" Ø	Call for Pricing				

**High Resolution Series are Available Upon Request*

Refracted Shear Wave Angle		45°	60°	70°	Price
Angle Beam Wedge (Standard 4-40 Threads)	.500" Ø	AB-W-500-45	AB-W-500-60	AB-W-500-70	Call for Pricing
	.500" x .500"	AB-W-500-500-45	AB-W-500-500-60	AB-W-500-500-70	
	.500" x 1.00"	AB-W-500-1000-45	AB-W-500-1000-60	AB-W-500-1000-70	
	.750" x 1.00"	AB-W-750-1000-45	AB-W-750-1000-60	AB-W-750-1000-70	
	1.00" Ø	AB-W-1000-45	AB-W-1000-60	AB-W-1000-70	

CoreNDT AWS Angle Beam Transducers & Wedges

AWS angle beam transducers from CoreNDT are used with an AWS wedge to introduce a refracted shear wave into the material being tested. CoreNDT's AWS transducers are meeting or exceeding the American Welding Society's requirements.



Transducer Type	Transducer Style	Part Number	Size	Frequency (MHz)	Connector Type	Price
Angle Beam	AWS	AB-2-625-625-AWS	.625" x .625"	2.25	Top Mount BNC	Call for Pricing
		AB-2-625-750-AWS	.625" x .750"			Call for Pricing
		AB-2-750-750-AWS	.750" x .750"			Call for Pricing
Refracted Shear Wave Angle			45°	60°	70°	Price
AWS Snail Wedge (Standard 4-40 Threads)		.625" x .625"	AB-AWS-45	AB-AWS-60	AB-AWS-70	Call for Pricing
		.625" x .750"				
		.750" x .750"				

CoreNDT Quick Change Angle Beam Transducers & Wedges

Transducer Type	Transducer Style	Part Number	Size	Frequency (MHz)	Connector Type	Price
Angle Beam	Quick Change	ABQC-2-250-G	.250" Ø	2.25	Top Mount Microdot	Call for Pricing
		ABQC-2-375-G	.375" Ø			Call for Pricing
		ABQC-2-500-G	.500" Ø			Call for Pricing
		ABQC-5-250-G	.250" Ø	5		Call for Pricing
		ABQC-5-375-G	.375" Ø			Call for Pricing
		ABQC-5-500-G	.500" Ø			Call for Pricing
		ABQC-10-250-G	.250" Ø	10		Call for Pricing
		ABQC-10-375-G	.375" Ø			Call for Pricing

**High Resolution Series are Available Upon Request*

Refracted Shear Wave Angle		45°	60°	70°	Price
Quick Change Wedge	.250" Ø	ABQC-W-250-45	ABQC-W-250-60	ABQC-W-250-70	Call for Pricing
	.375" Ø	ABQC-W-375-45	ABQC-W-375-60	ABQC-W-375-70	
	.500" Ø	ABQC-W-500-45	ABQC-W-500-60	ABQC-W-500-70	

**Quick Change Short Exit Wedges are Available Upon Request*

CoreNDT Contact Transducers

CoreNDT contact longitudinal wave transducers are rugged and built to withstand direct contact with a variety of materials. They are used in many applications such as straight beam flaw detection and thickness gaging, detecting and sizing delamination, and inspecting plates, billets, bars, and other metallic and nonmetallic components.



Transducer Type	Transducer Style	Part Number	Size	Frequency (MHz)	Connector Type	Price
Contact	Fingertip	FC-2-250-G	.250" Ø	2.25	Top Mount Microdot	Call for Pricing
		FC-2-375-G	.375" Ø			Call for Pricing
		FC-2-500-G	.500" Ø			Call for Pricing
		FC-2-750-G	.750" Ø			Call for Pricing
		FC-5-250-G	.250" Ø	5		Call for Pricing
		FC-5-375-G	.375" Ø			Call for Pricing
	FC-5-500-G	.500" Ø	Call for Pricing			
	Standard Contact	C-2-500-G	.500" Ø	2.25	Side BNC	Call for Pricing
		C-2-750-G	.750" Ø			Call for Pricing
		C-2-1000-G	1.00" Ø			Call for Pricing
		C-5-500-G	.500" Ø	5		Call for Pricing
		C-5-750-G	.750" Ø			Call for Pricing
C-5-1000-G		1.00" Ø	Call for Pricing			
	C-10-500-G	.500" Ø	10		Call for Pricing	

**High Resolution Series are Available Upon Request*

CoreNDT Removable Delay Line Transducers

CoreNDT delay line transducers are typically used for thin thickness gaging and searching for small flaws. These removable delay line introduce a time delay into the sound wave which improves near-surface resolution. Delays are standard in 0.500" length but available in custom length and shapes for custom job applications.



Transducer Type	Transducer Style	Part Number	Size	Frequency (MHz)	Connector Type	Price
Removable Delay Line	Delay Line	RDL-2-250-H	.250" Ø	2.25	Side Microdot	Call for Pricing
		RDL-2-500-H	.500" Ø			Call for Pricing
		RDL-5-250-H	.250" Ø	5		Call for Pricing
		RDL-5-500-H	.500" Ø			Call for Pricing
		RDL-10-250-H	.250" Ø	10		Call for Pricing
		RDL-10-500-H	.500" Ø			Call for Pricing
		RDL-15-250-H	.250" Ø	15		Call for Pricing
						Call for Pricing



CoreNDT Protective Face Transducers

Protected face transducers allow a wide variety of materials to be tested through the use of a wear cap, membrane, or delay line over the face of the transducer. In addition, this transducer can be used in direct contact with some materials to offer the user increased power while testing certain materials.

**All P Series transducers include a membrane ring, key and three total membranes.*

Transducer Type	Transducer Style	Part Number	Size	Frequency (MHz)	Connector Type	Price
Protective Face	Protective Face	P-1-500-G	.500" Ø	1	Top Mount BNC	Call for Pricing
		P-1-750-G	.750" Ø			Call for Pricing
		P-1-1000-G	1.00" Ø			Call for Pricing
		P-2-500-G	.500" Ø	2.25		Call for Pricing
		P-2-750-G	.750" Ø			Call for Pricing
		P-2-1000-G	1.00" Ø			Call for Pricing
		P-5-500-G	.500" Ø	5		Call for Pricing
		P-5-750-G	.750" Ø			Call for Pricing
		P-5-1000-G	1.00" Ø			Call for Pricing

Dual-Element High Temperature Transducers

Dual element ultrasonic transducers for on-stream, thickness, corrosion and erosion surveys with a wide operating temperature for use in applications across refining, oil & gas, energy, nuclear, aerospace, and process sectors.



Manufacturer	Item	Operating Temperature	Tip Diameter	Frequency (MHz)	Connector Type	Price
EVIDENT ionix	D790-SM	-5 thru 932 °F	0.434" (11 mm)	5	Top Dual Microdot	Call for Pricing
	HS582i_RH	-67 thru 1,022 °F				Call for Pricing

Manufacturer	Item	Cable Type	Connector Type	Price
EVIDENT	LCMD-316-5B	Standard Cable Type	Straight Dual Molded Lemo 00 to Microdot	Call for Pricing
ionix	ACC-CB-1315	Standard Cable Type	Straight Dual Molded Lemo 00 to Microdot	Call for Pricing
	ACC-CB-615	High-Temperature Fiberglass Sleeve 392°F Continuous / 1022°F Intermittent	Right Angle Dual Molded Lemo 00 to Microdot	Call for Pricing
	ACC-CB-815		Right Angle Dual Molded Lemo 00 to Microdot w/ 2" Handle and Strain Relief	Call for Pricing

**Cables are all 5 foot in length - ionix cables include an Evident gauge connector w/ probe identification for the D790*

Conventional UT Cables

QED offers a complete line of transducer cables. These cables are designed for optimum performance and durability.

QED Standard Cables



Item	Connector Type	Image	Cable Type	Length	Price
Q-BB-174-6 Q-BB-58-6	BNC - BNC		RG 174 RG 58	6'	Call for Pricing Call for Pricing
Q-BL00-174-6 Q-BL1-174-6	BNC - Lemo 00 BNC - Lemo 1		RG 174		Call for Pricing
Q-L00L00-174-6 Q-L00L1-174-6	Lemo 00 - Lemo 00 Lemo 00 - Lemo 1				Call for Pricing Call for Pricing
Q-MB-174-6 Q-ML00-174-6	Microdot - BNC Microdot - Lemo 00				Call for Pricing

CoreNDT Neon Green Protective Sheathing Cables

Item	Connector Type	Image	Cable Type	Length	Price
C-BB-174-G-6 C-BB-58-G-6	BNC - BNC		RG 174 RG 58	6'	Call for Pricing Call for Pricing
C-BL00-174-G-6 C-BL1-174-G-6	BNC - Lemo 00 BNC - Lemo 1		RG 174		Call for Pricing Call for Pricing
C-L00L00-174-G-6 C-L00L1-174-G-6	Lemo 00 - Lemo 00 Lemo 00 - Lemo 1				Call for Pricing Call for Pricing
C-MB-174-G-6 C-ML00-174-G-6	Microdot - BNC Microdot - Lemo 00				Call for Pricing Call for Pricing

General Use PAUT Probes

This probe design fits with manual and automatic inspection applications. Typical use includes inspection of castings, forgings, bars, tube, plate, composite and other engineered materials. Typical applications include flaw detection in weld, thickness measurement, delamination detection, bonding inspection and corrosion mapping.

Cable Length:

All probes come with a 2.5m cable length as standard. Other lengths available include: 3, 5 and 10m.

Connector:

All probes come with a Quick Latch Connector as standard. Other connectors available include: IPEX, Quick Latch Exit, SubD78, Zpack and Hypertronics.

Different Configurations:

Available with combination of cable length, cable type and connector type.



Standard - Quick Latch Connector

Housing	Part Number	Frequency (MHz)	Number of Elements	Pitch & Elevation (mm)	Price
Type 10	A- 2.25L8 -10-1.2x10-25Q	2.25	8	1.2 x 10	Call for Pricing
	A- 2.25L16 -10-0.6x10-25Q		16	0.6 x 10	Call for Pricing
	A- 3.5L16 -10-0.6x10-25Q	3.5	16	0.6 x 10	Call for Pricing
	A- 5L16 -10-0.6x10-25Q		16	0.6 x 10	Call for Pricing
	A- 5L32 -10-0.3x10-25Q	5	32	0.3 x 10	Call for Pricing
	A- 7.5L32 -10-0.3x7-25Q		32	0.3 x 7	Call for Pricing
	A- 10L16 -10-0.6x10-25Q	10	16	0.6 x 10	Call for Pricing
	A- 10L32 -10-0.3x7-25Q		32	0.3 x 7	Call for Pricing
	A- 10L32 -10-0.3x10-25Q		32	0.3 x 10	Call for Pricing
Type 11	A- 2.25L32 -11-0.6x10-25Q	2.25	32	0.6 x 10	Call for Pricing
	A- 5L32 -11-0.6x10-25Q		32	0.6 x 10	Call for Pricing
	A- 5L64 -11-0.3x8-25Q	5	64	0.3 x 8	Call for Pricing
	A- 5L64 -11-0.3x10-25Q		64	0.3 x 10	Call for Pricing
	A- 7.5L32 -11-0.6x10-25Q	7.5	32	0.6 x 10	Call for Pricing
	A- 7.5L64 -11-0.3x10-25Q		64	0.3 x 10	Call for Pricing
	A- 10L32 -11-0.6x7.5-25Q	10	32	0.6 x 7.5	Call for Pricing
	A- 10L32 -11-0.6x10-25Q		32	0.6 x 10	Call for Pricing
	A- 10L64 -11-0.3x7.5-25Q		64	0.3 x 7.5	Call for Pricing
Type 12	A- 15L64 -11-0.3x6-25Q	15	64	0.3 x 6	Call for Pricing
	A- 2.25L64 -12-0.6x10-25Q	2.25	64	0.6 x 10	Call for Pricing
	A- 3.5L64 -12-0.6x10-25Q		64	0.6 x 10	Call for Pricing
	A- 5L64 -12-0.6x10-25Q	5	64	0.6 x 10	Call for Pricing
	A- 5L128 -12-0.3x10-25Q		128	0.3 x 10	Call for Pricing
	A- 7.5L64 -12-0.6x10-25Q	7.5	64	0.6 x 10	Call for Pricing
	A- 7.5L128 -12-0.3x10-25Q		128	0.3 x 10	Call for Pricing
	A- 10L64 -12-0.6x7-25Q	10	64	0.6 x 7	Call for Pricing



Type 10

Type 11

Type 12

Small Footprint PAUT Probes

Small footprint PAUT probe for contact inspection applications. With an 8x8mm contact area, it can be used for a variety of inspections with challenging contact areas with 0° or angled wedges.

This small pitch probe design has great beam steering capabilities to sector scan thick multi layer sandwich parts. Typical applications include thickness measurement, bonding inspection, shock and scratch detection. The probe is compliant with Aeronautic scribe line inspection codes.



Type 00

Housing	Part Number	Frequency (MHz)	Number of Elements	Pitch & Elevation (mm)	Price
Type 00	A- 5L16 -00-0.31x5-25Q	5	16	0.31 x 5	Call for Pricing
	A- 10L16 -00-0.31x5-25Q	10	16	0.31 x 5	Call for Pricing



Small Diameter Tubing, Thin Wall PAUT Probes

Specific probe casing for low profile inspection. This probe has been designed to be operated with bracelet type scanners for tube inspection. Total height including adapted wedge is 12mm. Specific 35mm curvature of the array inside the casing is made for small diameter weld inspection to compensate the de-focusing effect from the geometry.

This probe typically used for automatic or manual inspection of small tube weld inspection with limited access. It can also be used for plate inspections with limited access.

Housing	Part Number	Frequency (MHz)	Number of Elements	Pitch & Elevation (mm)	Price
Type 15 	A- 3.5L16 -CCEV35-15-0.5x10-25Q	3.5	16	0.5 x 10	Call for Pricing
	A- 5L16 -CCEV35-15-0.5x10-25Q	5	16	0.5 x 10	Call for Pricing
	A- 5L32 -CCEV35-15-0.25x10-25Q		32	0.25 x 10	Call for Pricing
	A- 7.5L16 -CCEV35-15-0.5x10-25Q	7.5	16	0.5 x 10	Call for Pricing
	A- 7.5L32 -CCEV35-15-0.25x10-25Q		32	0.25 x 10	Call for Pricing
	A- 10L32 -CCEV35-15-0.25x10-25Q	10	32	0.25 x 10	Call for Pricing

PAUT Weld Inspection Probes

Is an operation used to evaluate the quality, strength, and safety of welds. PAUT probes can be used to identify issues such as lack of fusion, fissures, porosity, and inclusions.

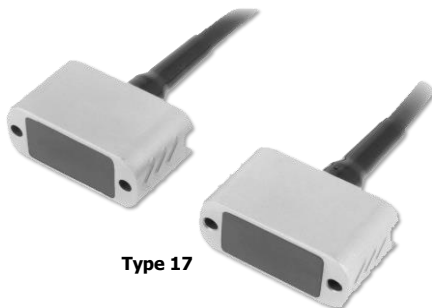
Inspect hard-to-reach areas

PAUT probe has the ability to perform Time of flight diffraction (TOFD) examination, that can be used to detect and locate surface breaking and sub-surface defects. This is particularly useful when inspecting large and complex welds, where traditional ultrasonic testing methods may not be practical.

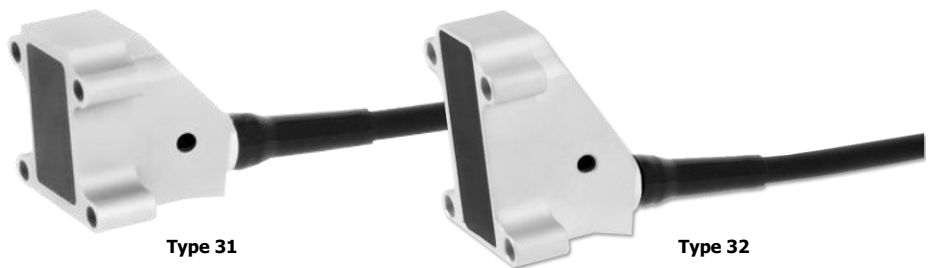
This probe design fits with advanced manual and automatic inspection applications. Typical use includes inspection of castings, forgings, bars, tube, plate, composite and other engineered materials. Typical applications include flaw detection in weld, thickness measurement, delamination detection, bonding inspection, corrosion mapping.



Housing	Part Number	Frequency (MHz)	Number of Elements	Pitch & Elevation (mm)	Price
Type 17	DA-1.0M28x2-17-2.7x3-25Q	1	4x7	2.7 x 3	Call for Pricing
	DA-2.25M28x2-17-2.7x3-25Q	2.25	4x7	2.7 x 3	Call for Pricing
	DA-4.0M28x2-17-2.7x3-25Q	4	4x7	2.7 x 3	Call for Pricing
Type 31	A- 2.25L32 -31-0.6x10-25Q	2.25	32	0.6 x 10	Call for Pricing
	A- 5L32 -31-0.6x10-25Q		32	0.6 x 10	Call for Pricing
	A- 5L64 -31-0.3x8-25Q		64	0.3 x 8	Call for Pricing
	A- 5L64 -31-0.3x10-25Q		64	0.3 x 10	Call for Pricing
	A- 7.5L32 -31-0.6x10-25Q	7.5	32	0.6 x 10	Call for Pricing
	A- 7.5L64 -31-0.3x10-25Q		64	0.3 x 10	Call for Pricing
	A- 10L32 -31-0.6x10-25Q	10	32	0.6 x 10	Call for Pricing
	A- 10L64 -31-0.3x7.5-25Q		64	0.3 x 7.5	Call for Pricing
Type 32	A- 15L64 -31-0.3x6-25Q	15	64	0.3 x 6	Call for Pricing
	A- 2.25L32 -32-1.0x10-25Q	2.25	32	1.0 x 10	Call for Pricing
	A- 5L32 -32-1.0x10-25Q	5	32	1.0 x 10	Call for Pricing
	A- 5L64 -32-0.5x10-25Q		64	0.5 x 10	Call for Pricing
	A- 7.5L64 -32-0.5x10-25Q	7.5	64	0.5 x 10	Call for Pricing
	A- 10L64 -32-0.5x10-25Q	10	64	0.5 x 10	Call for Pricing



Type 17



Type 31

Type 32

QED NDT PAUT Wedges

Achieve unparalleled precision in your inspections with our state-of-the-art phased array ultrasonic wedges. Designed for compatibility with a wide range of PAUT probes, these wedges can be seamlessly integrated in both automated scanning systems and manual inspection setups. Our extensive selection ensures you find the perfect wedge to suit your application, enhancing performance and accuracy.



**Custom Curves on Wedges can be done upon request (see pricing below).*

Housing	Part Number	Degree	Wave Type	Shape	SWPC	Price
Type 00	W00-L0-F	0	Longitudinal	Flat		Call for Pricing
	W00-S60-F	60	Shear	Flat		Call for Pricing
	W00-S60-C	60	Shear	Curved		Call for Pricing
Type 10	W10-L0-F	0	Longitudinal	Flat		Call for Pricing
	W10-L0-C	0	Longitudinal	Curved		Call for Pricing
	W10-L0-SWPC-F	0	Longitudinal	Flat	Yes	Call for Pricing
	W10-L0-SWPC-C	0	Longitudinal	Curved	Yes	Call for Pricing
	W10-S55-F	55	Shear	Flat		Call for Pricing
	W10-S55-C	55	Shear	Curved		Call for Pricing
	W10-S55-SWPC-F	55	Shear	Flat	Yes	Call for Pricing
	W10-S55-SWPC-C	55	Shear	Curved	Yes	Call for Pricing
Type 11	W11-L0-F	0	Longitudinal	Flat		Call for Pricing
	W11-L0-C	0	Longitudinal	Curved		Call for Pricing
	W11-L0-SWPC-F	0	Longitudinal	Flat	Yes	Call for Pricing
	W11-L0-SWPC-C	0	Longitudinal	Curved	Yes	Call for Pricing
	W11-L60-F	60	Longitudinal	Flat		Call for Pricing
	W11-L60-C	60	Longitudinal	Curved		Call for Pricing
	W11-L60-SWPC-F	60	Longitudinal	Flat	Yes	Call for Pricing
	W11-L60-SWPC-C	60	Longitudinal	Curved	Yes	Call for Pricing
	W11-S55-F	55	Shear	Flat		Call for Pricing
	W11-S55-C	55	Shear	Curved		Call for Pricing
	W11-S55-SWPC-F	55	Shear	Flat	Yes	Call for Pricing
	W11-S55-SWPC-C	55	Shear	Curved	Yes	Call for Pricing
Type 12	W12-L0-F	0	Longitudinal	Flat		Call for Pricing
	W12-L0-C	0	Longitudinal	Curved		Call for Pricing
	W12-L0-SWPC-F	0	Longitudinal	Flat	Yes	Call for Pricing
	W12-L0-SWPC-C	0	Longitudinal	Curved	Yes	Call for Pricing
	W12-S55-F	55	Shear	Flat		Call for Pricing
	W12-S55-C	55	Shear	Curved		Call for Pricing
	W12-S55-SWPC-F	55	Shear	Flat	Yes	Call for Pricing
	W12-S55-SWPC-C	55	Shear	Curved	Yes	Call for Pricing
Type 15	W15-S60-F	60	Shear	Flat		Call for Pricing
	W15-S60-C	60	Shear	Curved		Call for Pricing
Type 17	W17-L60	60	Longitudinal			Call for Pricing
Type 31	W31-L0-F	0	Longitudinal	Flat		Call for Pricing
	W31-L0-C	0	Longitudinal	Curved		Call for Pricing
	W31-L0-SWPC-F	0	Longitudinal	Flat	Yes	Call for Pricing
	W31-L0-SWPC-C	0	Longitudinal	Curved	Yes	Call for Pricing
	W31-S55-F	55	Shear	Flat		Call for Pricing
	W31-S55-C	55	Shear	Curved		Call for Pricing
	W31-S55-SWPC-F	55	Shear	Flat	Yes	Call for Pricing
	W31-S55-SWPC-C	55	Shear	Curved	Yes	Call for Pricing
Type 32	W32-L0-F	0	Longitudinal	Flat		Call for Pricing
	W32-L0-C	0	Longitudinal	Curved		Call for Pricing
	W32-L0-SWPC-F	0	Longitudinal	Flat	Yes	Call for Pricing
	W32-L0-SWPC-C	0	Longitudinal	Curved	Yes	Call for Pricing
	W32-S55-F	55	Shear	Flat		Call for Pricing
	W32-S55-C	55	Shear	Curved		Call for Pricing
	W32-S55-SWPC-F	55	Shear	Flat	Yes	Call for Pricing
	W32-S55-SWPC-C	55	Shear	Curved	Yes	Call for Pricing

VISUAL MEASURING DEVICES WELDING GAUGES

G.A.L. GAGE CO



QED offers **G.A.L. GAGE** high-quality precision Weld Measuring Gauges for checking weld thickness, butt welds, pits, undercuts and much more. Our products include the 7-Piece Fillet Weld Set, Bridge Cam Gauge and the Adjustable Fillet Weld Gauge; to name a few.

Item	Description	Price
CAT2 PRO	GAL GAGE PRO Single Purpose Hi-Lo Welding Gauge (Inch)	Call for Pricing
CAT4	GAL GAGE Bridge Cam Gauge (BOTH Inch/Metric)	Call for Pricing
CAT5	GAL GAGE "V-WAC" Single Weld Gauge (Inch)	Call for Pricing
CAT6	GAL GAGE Automatic Weld Size Weld Gauge (Inch)	Call for Pricing
CAT8	GAL GAGE 7-Piece Fillet Weld Set (Inch)	Call for Pricing
CAT17	GAL GAGE Pipe Pit Gauge (Inch)	Call for Pricing
GG-SC	GAL GAGE Serialization and Certification NIST Traceable - Valid for 12 Months	Call for Pricing

**Welding Gauges are standardly accompanied by a Manufacturer Certificate of Conformance*

**If you require a Gauge or other item not shown above please contact us for a Solution.*

LEAK DETECTION VACUUM BOX TESTING VACUUM BOXES, ACCESSORIES & SOLUTION

Used for leak testing in building of ships, barges, tanks, or any seal weld application. All Vacuum Boxes come with a complete Venturi and Non-Certified Gauge.



Item	Model	Size (Width x Length)	Price
VB24BT	Boat Tail (Flexible Flat)	6" x 24"	Call for Pricing
VB18	Flat	8" x 18"	Call for Pricing
VB30		8" x 30"	Call for Pricing
VB18C	Corner	8" x 18"	Call for Pricing
VB30C		8" x 30"	Call for Pricing
VB30FX	Flexible	4" x 30"	Call for Pricing

**Pricing is Based off a Non-Certified Gauge, Call for Pricing if a Certified Gauge is Required*

Item	Design	Price
VB-PUMP	Vacuum Pump - Air Flow 26.5" Mercury; 110 Volt; 13 PSI. Features a regulator, quick fitting coupling, pressure gauge, warning buzzer, water filter with cartridge, auxiliary power plug, and 98" (2.5M) air hose	Call for Pricing
VB-Venturi	Venturi made of steel with inlet thread of 3/8" NPT outlet and vacuum ports are 1/2" NPT able to Vacuum up to 23 Hg (Used with Compressed Air)	Call for Pricing
VB-Gauge	2" Steel gauge with brass 1/4" NPT range is 0-30" Hg VAC (Non-Certified)	Call for Pricing
VB-Gauge-C	2" Steel gauge with brass 1/4" NPT range is 0-30" Hg VAC (NIST Calibration Provided)	Call for Pricing



VB18 or VB30



VB18C or VB30C



VB-PUMP

HARDNESS TESTING TELEWELD BRINELL HARDNESS TESTING

Telebrineller hardness measurements are a direct comparison to a known physical reference and therefore, measurements are not subject to inaccuracies due to; alloy, thickness, geometry, position, etc., that are common with many other portable testers.



BHNTS



BHNXXX



239-24

Item	Description	Price
BHNTS	Telebrineller Complete Set; Includes five (5) bars of selected hardness; Microscope; Computer; Bar Holder; Calculation Pad, all inside Carrying Case	Call for Pricing
BHNXXX	Telebrineller Test Bars (Available in 145-350 Hardness) <i>*BHN Bars have a Minimum Order of 3 Pieces - Bars can be Mixed to Obtain Quantity Pricing*</i>	3 thru 10 11 thru 24 25+ Call for Pricing
239-24	Haldeman Fillet Tester (Designed for Brinell Hardness Testing of fillet welds and other hard to reach areas)	Call for Pricing

SERVICE

EQUIPMENT EVALUATION & REPAIR

- ▶ UV Lights & Light Meters
- ▶ MPI Equipment (Yokes, Portables and Bench Units)
- ▶ LED Film Viewers
- ▶ Densitometers
- ▶ X-Ray Equipment (Controllers, Generators & Tubes)
- ▶ Radiation Safety/Survey Equipment
- ▶ Film Processors



Item	Description	Price
EVAL	In-House Equipment Evaluation Fee (Per piece of Equipment) Evaluation Fee will be waived if Equipment is Repaired or New Equipment is Purchased	Call for Pricing
ROC-S	Rush Order Charge (Standby Service)	Call for Pricing
ROC5	Rush Order Charge (1-5 Units)	Call for Pricing
ROC9	Rush Order Charge (6-9 Units)	Call for Pricing
ROC10+	Rush Order Charge (10+ Units)	Call for Pricing
ISTL	In-House Service Technician Labor (Hour)	Call for Pricing

EQUIPMENT CALIBRATION/CERTIFICATION

QED provides professional calibration services in compliance with the National Institute of Standards and Technology (NIST) for a wide range of meters, gauges, and other NDT equipment used in various industries.

RADIOGRAPHY

Item	Code	Frequency	Description	Price
C-RSM	State & NRC	6 Months	Radiation Survey Meters	Call for Pricing
C-ARM	State & NRC	12 Months	Alarming Rate Meters	Call for Pricing
C-PD			Pocket Dosimeters	Call for Pricing
C-PED	State & NRC	12 Months	Personal Electronic Dosimeter (PED)	Call for Pricing
SP*001503	ASME Sec. V	90 Days	Densitometer	Call for Pricing
SP*001557	ASTM E1390	Upon Repair	Certification of Light Intensity on Film Viewers per ASTM E1390	Call for Pricing

BLACKLIGHTS & LIGHT METERS

Item	Code	Frequency	Description	Price
SP*001335	ASTM E1444 & E1417	6 Months	Calibration of a Dual Sensor Light Meter (Non-Programable)	Call for Pricing
SP*001336			Calibration of a Single Sensor Light Meter (Non-Programable)	Call for Pricing
SP*001527	ASME Sec. V, ASTM E3024 & E165	12 Months	Calibration of a Dual Sensor Light Meter (Non-Programable)	Call for Pricing
SP*001528			Calibration of a Single Sensor Light Meter (Non-Programable)	Call for Pricing
XR-1000/R	ASTM	6 or 12 Months (Depending upon ASTM)	Calibration of AccuMAX XR-1000 Read Out Unit	Call for Pricing
XDS-1000/R			Calibration of AccuMAX XDS-1000 Dual (UV-A / VIS) Light Sensor	Call for Pricing
XS-555/L/R	ASTM E1742	12 Months	Calibration of AccuMAX XS-555/L Luminance Sensor	Call for Pricing
XP-2000/R	ASTM	6 or 12 Months (Depending upon ASTM)	Calibration of AccuPRO XP-2000 Dual (UV-A / VIS) Sensor Light Meter	Call for Pricing
APOLLO/RS	ASTM	6 or 12 Months (Depending upon ASTM)	Calibration of LABINO Apollo Series Light Meter, Single (UV-A/VIS) Light Sensor	Call for Pricing
APOLLO/RD	ASTM	6 or 12 Months (Depending upon ASTM)	Calibration of LABINO Apollo Series Light Meter, Double (UV-A/VIS) Light Sensor	Call for Pricing

MAGNETIC PARTICLE

Item	Code	Frequency	Description	Price
SP*001026	ASTM E1444 & E3024	6 Months	Yokes (All Makes & Models)	Call for Pricing
SP*001262	Customer	12 Months	Certification of 10 lb. Test Weight	Call for Pricing
SP*001021	ASTM E1444 & E3024	6 Months	Magnetic Particle Calibration (Bench or Portable Unit)	Call for Pricing
SP*001529	ASME Sec. V	12 Months		
SP*001154	ASTM E1444 & E3024	6 Months	Analog Magnetometer/Gaussmeter Calibration	Call for Pricing
SP*001645	ASTM E1444	6 Months	Electronic (Digital) Gaussmeter Calibration	Call for Pricing
SP*001646	ASTM E3024	12 Months		

ULTRASONIC, HARDNESS & FERRITE TESTERS

Item	Code	Frequency	Description	Price
SP*001500	ASTM E317	12 Months	Calibration of an Ultrasonic Thickness Gauge	Call for Pricing
SP*001562	ASME Sec. V		Calibration of an Ultrasonic Flaw Detector	Call for Pricing
SP*001505	ASTM E797		Certification of Ultrasonic Thickness Step Wedges	Call for Pricing
SP*001456	ASTM E18 & A956		Certification of Hardness Tester	Call for Pricing
SP*002012	ASTM A799 / A799M-10		Calibration of Fischer Feritscope FMP 30 / DMP 30	Call for Pricing
SP*002013			Calibration of Fischer Ferrite Standard (Set of 5)	Call for Pricing

SPECIAL SERVICES

LED FILM VIEWER MODIFICATION

Anti-Corrosion Treatment



Item	Description	Price
SP*001710	Anti-Corrosion Treatment to NEW LED Film Viewer	Call for Pricing
SP*001710-USED	Anti-Corrosion Treatment to USED LED Film Viewer. Includes pre-existing corrosion clean and replacement (as required) of switches, cooling fans and dimmer.	Call for Pricing

**Modification is available for most make and model LED Film Viewers*

PREVENTATIVE MAINTENANCE (PM)

QED offers customized Preventative Maintenance Services to minimize downtime and ensure quality inspections. Our detailed electronic PM records allow us to not only identify unusual machine wear but also operator misuse that could cause premature equipment failure or safety concerns.

FILM PROCESSORS

Item	Brand	Model	Description	Price
SP*001510	CARESTREAM	M37 Plus	Clean Racks/Tanks with Systems Cleaners and Replace Filters - Check Racks, Drive, Dryer and Pumps for Missing or Worn Parts	Call for Pricing
SP*001455		M43IC		
SP*001359	GE (AGFA)	NOVA		Call for Pricing
SP*001337		M-ECO		
SP*001348		NDT-U		
SP*001454		NDT-Si		

**Above pricing is based upon PM being performed at Customer's location and does not include applicable travel expenditures*

FILM PROCESSOR CLEANING PRODUCTS & QUALITY TOOLS

► T2 Max Radiographic Cleaner - Safe for all industrial film processors. Cleans: developer, fixer, oxidation, silver, and algae deposits from rollers, tanks, webs, and transports in 3-5 minutes.

► EASY CLEAN Algae Pump System - A simple to use dosing system to inject Easy Clean Algae AD solution directly into a processor wash tank at programmed times and at the required dosage during the working day and night.

► EASY CLEAN Algae AD - Safe, Non-Toxic, Non-Corrosive, Bio-Degradable A highly concentrated, blend of unique cleaning agents. Rapidly breaks down the bio-film which causes slimy, clogging bio-slime. Regular use keeps wash/rinse water clean and fresh.



Item	Description	Price
5261326	INDUSTREX Process Control Strips, pack of 25	Call for Pricing
3Q210	AGFA PMC Strips, pack of 50	Call for Pricing
37VLW	AGFA 14" x 17" Clean Up Film, 100 Sheets	Call for Pricing
T2 Max	T2 Max Universal Radiographic Cleaner, 32oz. Spray Bottle	Call for Pricing
9050555	Colenta EASY CLEAN Anti-Algae Dosing Pump Assembly (230V from Processor)	Call for Pricing
9050502	Colenta EASY CLEAN Anti-Algae AD, 5 Liter Bottle	Call for Pricing

IS-199 CHEMICAL MIXER

The ultimate automatic x-ray chemical mixer with the specific gravity control producing a consistent mix each and every time. The mixer responds to the addition of concentrated chemicals and adds the correct amount of water automatically. Includes a low level warning system.

Features:

- Specific Gravity Mixing System
- Low Level Warning Systems
- Easy-to-Service Design
- UL/CSA Listed Power Supply
- 24 Volt Operation



WHITE MOUNTAIN IMAGING



One Year Warranty on all Parts

Item	Description	Capacity	Chemical Brand	Price
19945 19956-I 19960-I 19966-FNDT	IS-199 Chemical Mixer	12.5 Gallons Developer & Fixer	T2 Carestream AGFA Fuji	Call for Pricing

**Other Chemical Brand Options are available upon request.*

FIELD SERVICE

CALL-OUT RATES

The below rates are based off work being performed Monday - Friday (8AM-5PM). A Four (4) Hour Labor (On-Site) Minimum applies for all local call-outs.

Item	Description	Price
STT	Field Service Technician Travel (Hour)	Call for Pricing
FSTL	Field Service Technician Labor (Hour)	Call for Pricing



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