



KINGS YAO INDUSTRIAL CO.,LTD

金耀工業股份有限公司

PRODUCT CATALOG

OEM

SURFACE FORMING FILES

JIG SAW BLADES

RECIPROCATING SAW BLADES

PNEUMATIC SAW BLADES

HACK SAW BLADES

JAB SAW



**Best in Quality
First in Services
One-Stop Solution**

ABOUT US

Kings Yao Industrial Co. Ltd. is a professional manufacturer for tool industry. And our core capability are material science and mechanical engineering, from stamping, machining to heat treatment, from OEM parts, saw blades to knives, we can provide the competitive and durable products you need.



Solar power system
Capacity:233kWp
Generation:300000kWh/year
About 10% of electricity usage

HISTORY

1984

Kings Yao was founded in Taichung as a manufacturer in customized stamping parts.

1990

Transitioned to directly export and began making hand tools & accessories.

2019

Qualified as Hitachi's heat treatment supplier.

2017

Expanded to 9084m² and built solar power system.

2015

Developed knives with another leading brand.

2007

Moved to Dali Industrial Park and began running vacuum heat treating.

2002

Received ISO 9001 certification and start ERP.

2000

Supply components directly to U.S.A. top brand.

QUALITY POLICY

From raw material to end products, your goods are in identification and traceability control procedures which follows the ISO quality management system.

CERTIFICATIONS



ISO 9001: 2015

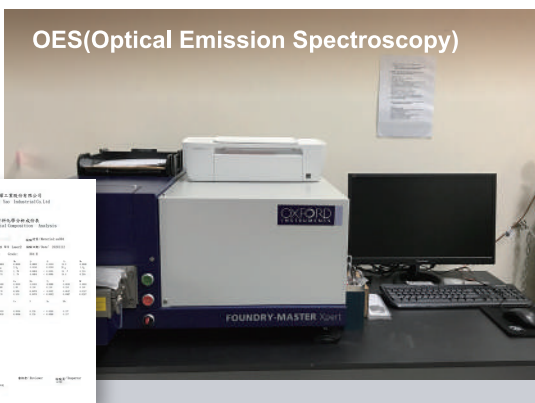


Hitachi's supplier for heat treatment certified

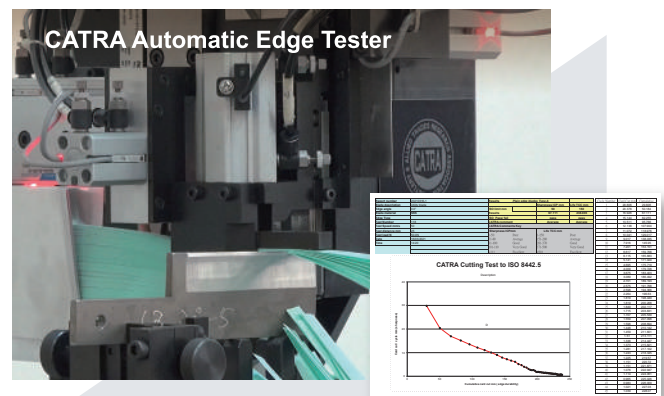


CMM(MITUTOYO)

INSPECTIONS



OES(Optical Emission Spectroscopy)



CATRA Automatic Edge Tester

- CCD projector(AUTO-2.5D)
- Contracer (MITUTOYO)
- Optical Comparators (Keyence IM-7000)
- Roughness Tester
- Thickness Meter
- Salt spray test machine

- Hardness Testing Machine :
Vickers Hardness Testing Machine
Rockwell Hardness Testing Machine
- Microstructure microscope
- 2 tons universal tensile tester
- Micro computer shearing durability tester

PRODUCTION

EQUIPMENTS

Types of Machinery	Unit	Types of Machinery	Unit
15~35 Ton Press	13	Machine Center	1
60~80 Ton Press	7	CNC Lathe Machine	2
120 Ton Press	1	CNC Grinding Machine	11
200 Ton Press	1	CNC Milling Machine	2
200 Ton Press (Fine-blanking)	1	CNC Tapping center	10
125 Ton Press (Fine-blanking)	1	CNC Fiber laser welding	1
220 Ton Press (Fine-blanking)	1	High-frequency Hardening	2
250 Ton Press (Fine-blanking)	1	Vacuum Quenching Equipment	2
Grinding Machine	4	Low Pressure Nitriding Furnace	1
Milling Machine	6	Sub-zero Equipment	1
Auto-cutting Machine	1	Vacuum Tempering Equipment	2
Shot-peening Machine	3	Atmosphere Tempering Furnace	2
Sand Blast Machine(conveyer)	1	Vacuum Clean Equipment	1
Wet-type Abrasive Belt Surface Grinder	1	Welding Machine	2
Knife Sharpening Machine	4	NC Spot Welding Machine	3
Hollow Grinding Machine	2	Riveting Machine	10
Taper Grinding Machine	2	Flattening Machine	2
Drilling Machine	4	Printing Machine	14
Tapping Machine	2	Hot Stamping Machine	1
Boring Machine	1	Vacuum Blister Packing Machine	2
		High Frequency Blister Packing Machine	1

OEM



Surface Finishes

- ✔ Zinc plating
- ✔ Black oxide
- ✔ Hard chrome plating
- ✔ Painting
- ✔ E-coating (Electrophoretic painting)
- ✔ Electroless nickel plating
- ✔ Nickel plating
- ✔ Zinc phosphating
- ✔ Manganese phosphating
- ✔ And more!

Plastic injection

✔ We have long-term partnership manufacturers, and will offer you the best comprehensive services.

SURFACE FORMING FILES

For automotive and woodworking hobbyist. This complete set can shave, smooth, trim, shape and form a variety of materials for regular or decorative work.

KY101



Two Way Tool

- Body : Zinc with silver painting
- Blade : SK7 with black oxide
- Handle : Black wooden handle

KY105



Plane Type

- Body : Zinc with silver painting
- Blade : SK7 with black oxide
- Handle : Black ABS handle

KY110



Snail Type

- Body : PP in yellow
- Blade : SK7 with black oxide

File Blade

KY101A



10" RASP Plane & Flat type

- SK7 material in black oxide.
- Thickness : 0.5mm
- Total Length : 10"
- Features : Hardened and tempered steel blade.

KY101B



10" RASP Plane & Half round type

SURFACE FORMING FILES

KY103



☐ Pocket Plane Type

- Body : Zinc with silver painting
- Blade : SK7 with black oxide

KY107



☐ Plane Type

- Body : Zinc with silver painting
- Blade : SK7 with black oxide
- Thumb screw : quick blade replacement.

KY111



☐ Snail Type

- Body : PP in yellow
- Blade : SK7 with black oxide
- Thumb screw : quick blade replacement.

☐ File Blade

KY103A



5-1/2" Flat type

- SK7 material in black oxide.
- Thickness:0.5mm
- Total Length:5-1/2"
- Features: Hardened and tempered steel blade.

KY103B



5-1/2" Curve type

- SK7 material in black oxide.
- Thickness:0.5mm
- Total Length:5-1/2"
- Features: Hardened and tempered steel blade.

☐ PACKAGE



Alternative packaging options to be proposed.

SURFACE FORMING FILES

KY104



Shaver Tool

- Body : PP in red
- Blade : SK7 with black oxide

File Blade

KY104A



2-1/2" Curve Type

- SK7 material in black oxide.
- Thickness:0.5mm
- Total Length:2-1/2"
- Features: Hardened and tempered steel blade.

KY113



Handy Type

- Body : PP in yellow
- Blade : SK7 with black oxide

File Blade

KY113A



3" Curve Type

- SK7 material in black oxide.
- Thickness:0.5mm
- Total Length:3"
- Features: Hardened and tempered steel blade.

SURFACE FORMING FILES

KY102



Round file Type

- Blade : SK7 with black oxide
- Handle : Original wooden handle

File Blade

KY102A

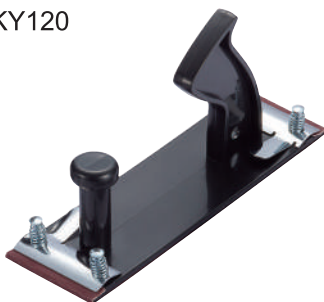


10" Round File Type

- SK7 material in black oxide.
- Thickness:0.5mm
- Total Length:10"
- Features: Hardened and tempered steel blade.

SANDER

KY120



Sander

- Body: PP (240x72x120mm)
- Emery Cloth(75x278mm) #100

SAW BLADES

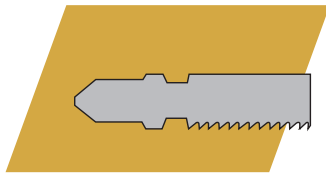
Blade Material

HCS : High carbon steel blades are best in softer materials such as wood, fiberboard, polywood, and plastics.

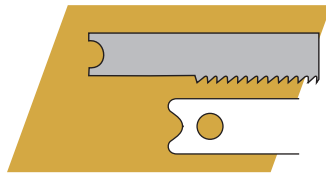
HSS : High speed steel blades are used for metal, aluminum and non-ferrous metal cutting.

BI-M : BI-Metal blades are best in metal materials such as metal plates, stainless, metal pipes, steel pipes.

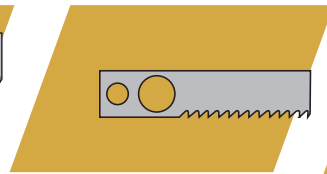
Shank



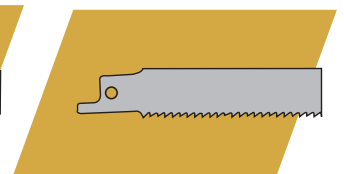
Bosch, Makita, AEG, Festool, Metabo, Mafell, Hikoki, Stanley, B&D, Skil, Dewalt, Ryobi, FLEX, Bauer, CRAFTMAN



Stanley, B&D, Skil, Dewalt, Ryobi, Kress, CRAFTMAN



Makita

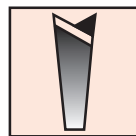


Reciprocating Saw Blade

Process



Milled

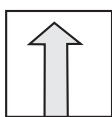


Ground and Taper Ground Set

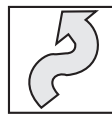


Ground and Side Set

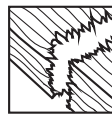
Application



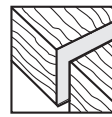
For Straight



For Curved



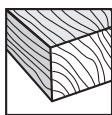
Coarse



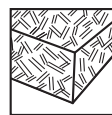
Flush



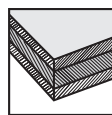
For Green Wood



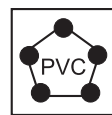
For Wood



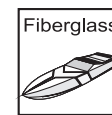
For Fiberboard



For Plywood



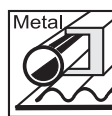
For Plastic



For Fiberglass



For Soft Steel



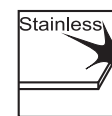
For Metal & Profile



For Metal Pipe



For Steel Pipe



For Stainless

JIG SAW BLADES



HCS

Application: For wood/PVC

TPI	TOTAL LENGTH		TYPE	Hand	Saw	Cut	Cut	Cut	Cut	Cut	THICKNESS		Similar to	Material Thickness	Shank	KY Part No.
	MM	IN									MM	IN				
Working Length=Total Length-25mm(≈1")	6	80	3-1/8								<30	<1-1/8		1.2	U	208UG
	6	85	3-3/8								<35	<1-1/2	U111D	1.2	U	234UK
	6	85	3-3/8								<35	<1-1/2		1.2	U	206UGA
	6	91	3-5/8								<40	<1-5/8		1.0	T/U/M	231TK
	6	100	4								<50	<2		1.0	T/U	230TK
	6	100	4								<50	<2		1.2	T/U	232TK
	6	100	4								<50	<2	T/U144D	1.2	T/U/M	204TGA
	6	100	4								<50	<2	T144D(1.2)	1.4	T/U	244TGA
	6	100	4								<50	<2	T144D(1.2)	1.6	T/U	248TGA
	6	100	4								<50	<2	T244D	1.2	T	209TGA
	6	100	4								<50	<2	T101D(1.5)	1.2	T/U/M	203TG
	6	100	4								<50	<2	T/U101D	1.4	T/U	243TG
	6	115	4-1/2								<65	<2-1/2		1.2	T/U	233TK
	6	125	5								<70	<2-3/4	T344D	1.2	T/U	202TGA
	6	125	5								<70	<2-3/4	T/U301CD(1.5)	1.2	T/U	201TG
	6	125	5								<75	<3	T/U301CD	1.4	T/U	241TG
	6	152	6								<100	<4		1.0	T	235TGA
	6	152	6								<100	<4	T344D	1.2	T	205TGA
	8	91	3-5/8								<40	<1-5/8		1.0	T/U/M	231TH
	8	100	4								<50	<2		1.0	T/U	230TH
8	100	4								<50	<2	T/U111C	1.2	T/U	232TH	
8	100	4								<50	<2	T111C	1.2	T	211TV	
8	100	4								<50	<2		1.2	T	239TH	
8	100	4								<50	<2		1.2	T/U	203TS	
10	72	2-7/8								<20	<3/4		1.0	U	237UT	
10	91	3-5/8								<40	<1-5/8		1.0	T/U	231TQ	
10	100	4								<50	<2	T/U101B(1.5)	1.2	T/U/M	203TF	
10	100	4								<50	<2	T/U101BR(1.5)	1.2	T/U/M	203TFR	
10	100	4								<50	<2	T/U101B	1.4	T/U	243TF	
10	100	4								<50	<2	T/U101BR	1.4	T/U	243TFR	

General Tooth

Reverse Tooth

Reverse Tooth :

For a perfect finish on the visible side of the cut material.

211TV
Wider

JIG SAW BLADES

Working Length=Total Length-25mm(≈1")

Application:For wood/PVC/fiberglass

TPI	TOTAL LENGTH		TYPE	Application:For wood/PVC/fiberglass						THICKNESS		Similar to	Material Thickness	Shank	KY Part No.	
	MM	IN								MM	IN					
10	125	5									<70	<2-3/4		1.2	T/U	201TF
12	76	3									<25	<1	T119B(1.2)	1.0	T	238TL
12	76	3									<25	<1	T/U119BO	1.0	T/U/M	237TL
12	100	4									<50	<2		1.2	T/U	232TP
18	76	3									<25	<1		1.2	T/U	207TE
18	76	3									<25	<1	T/U101AO(1.2)	1.4	T/U	247TE
18	100	4									<50	<2	T/U101AO	1.2	T	203TE

HSS

Application:For wood/PVC/aluminium

TPI	TOTAL LENGTH		TYPE	Application:For wood/PVC/aluminium						THICKNESS		Similar to	Material Thickness	Shank	KY Part No.
	MM	IN							MM	IN					
8	100	4								3-12	<1/2	T127D	0.9	T	212TH
8	100	4								3-12	<1/2	T227D	0.9	T	219TH

Application:For metal

TPI	TOTAL LENGTH		TYPE	Application:For metal				THICKNESS		Similar to	Material Thickness	Shank	KY Part No.
	MM	IN						MM	IN				
12	76	3						2-6	<1/4	T118B	0.9	T/U	218TL
14	76	3						2-6	<1/4	T/U118B	0.9	T/U/M	218TA
14	132	5-1/4						2-6	<1/4	T318B(1.2)	1.0	T	214TA
18	75	3						1.5-3	<1/8		0.9	T/U/M	218TB
18	152	6						1.5-3	<1/8		1.0	T	217TB
21	76	3						1.2-3	<1/8	T/U118A	0.9	T/U/M	218TC
21	76	3						1.2-3	<1/8		0.9	T	219TC
21	132	5-1/4						1-3	<1/8	T318A	1.0	T	214TC
24	76	3						1-3	<1/8		0.9	T	218TM
32	75	3						0.8-3	<1/8	T118G	0.9	T	218TW
36	76	3						0.8-3	<1/8	T/U118G	0.9	T/U/M	218TD

JIG SAW BLADES

BIM

Application: For hard wood/PVC/fiberglass

TPI	TOTAL LENGTH		TYPE	General Tooth	Reverse Tooth	Fiberglass	THICKNESS	Similar to	Material Thickness	Shank	KY Part No.
	MM	IN									
6	100	4				<50		0.9	T/U	221TK	
6	100	4				<50	T144DF	1.27	T/U	224TGA	
6	100	4				<50		1.27	U	223UG	
6	115	4-1/2				<50		1.27	T	229TN	
6	152	6				<100		1.27	T	225TN	
10	100	4				<50		0.9	T/U	221TQ	
10	100	4				<50	T/U101BF	1.27	T/U	223TF	
10	100	4				<50	T101BRF	1.27	T	223TFR	

General Tooth Reverse Tooth Reverse Tooth :
For a perfect finish on the visible side of the cut material.

Application: For metal

TPI	TOTAL LENGTH		TYPE	General Tooth	Reverse Tooth	Fiberglass	THICKNESS	Similar to	Material Thickness	Shank	KY Part No.
	MM	IN									
12	76	3				2-6		0.9	T	228TL	
14	76	3				2-6	T118BF	0.9	T/U/M	228TA	
18	75	3				1.5-3	T118EFS(1.2)	0.9	T/U/M	228TB	
18	152	6				1.5-3		1.27	T	226TB	
21	76	3				1.5-3	T118AF	0.9	T/U/M	228TC	
24	70	2-7/8				1.5-3		0.9	U	222UM	
24	76	3				1.5-3	T118AF	0.9	T/U	228TM	
32	76	3				1-3	T118GFS(1.2)	0.9	T	228TW	
36	76	3				0.8-3		0.9	T/U/M	228TD	

PACKAGE



RECIPROCATING SAW BLADES



HCS

Application: For wood/PVC

Working Length=Total Length-25mm(≈1")

TPI	TOTAL LENGTH		TYPE	Application: For wood/PVC						THICKNESS		Similar to	Material Thickness	KY Part No.
	MM	IN								MM	IN			
3	152.5	6								<100	<2		1.2	822LA
3	230	9								<180	<7	S1111K	1.2	852Q
3	300	12								<250	<10	S1617K	1.2	851Q
5	152.5	6								<100	<2		1.2	824HA
5	240	9-1/2								<180	<7	S1531L	1.2	823HA
6	152.5	6								<100	<2	S644D(1.5)	1.2	822GA
6	152.5	6								<100	<2		1.2	822GJA
6	300	12								<250	<10	S1344D	1.2	850GA
10	152.5	6								<100	<4		1.0	826F
18	152.5	6								<100	<4		0.8	821B
24	152.5	6								<100	<4		0.8	821C

HSS

Application: For metal

TPI	TOTAL LENGTH		TYPE	Application: For metal			THICKNESS		Similar to	Material Thickness	KY Part No.
	MM	IN					MM	IN			
14	152	6					2-8	<1/4	S918BF	0.8	801A
18	152	6					1.5-3	<1/8	S918E	0.8	801B
24	100	4					1-3	<1/8	S518A	0.8	802C
24	152	6					1-3	<1/8	S918AF	0.8	801C

RECIPROCATING SAW BLADES

BIM

Application: For wood with nails/demolition/metal

Working Length=Total Length-25mm(≈1")

TPI	TOTAL LENGTH		TYPE	Wood	Fiberglass	Reinforced Concrete	Steel Reinforced Concrete	Rebar	Cast Iron	Black Metal	THICKNESS		Similar to	Material Thickness	KY Part No.
	MM	IN									MM	IN			
6	152.5	6		✓	✓	✓	✓	✓	✓	✓	6-12	<1/2	S611DF	1.27	841E
5/8	203.2	8			✓	✓	✓	✓	✓	✓	3-12	<1/2		1.27	844K
10	152.5	6		✓	✓	✓	✓	✓	✓	✓	2-6	<1/4	S922HF	0.9	811F
10	203.2	8		✓	✓	✓	✓	✓	✓	✓	3-6	<1/4		1.27	840F
10	305	12		✓	✓	✓	✓	✓	✓	✓	3-6	<1/4		1.27	842FS
10/14	150	6			✓	✓	✓	✓	✓	✓	3-10	<2/5	S922VF	0.9	815P
10/14	230	9			✓	✓	✓	✓	✓	✓	3-10	<2/5	S1122VF	0.9	816P
10/14	300	12			✓	✓	✓	✓	✓	✓	3-10	<2/5	S1222VF	0.9	817P

Application: For metal

TPI	TOTAL LENGTH		TYPE	Reinforced Concrete	Steel Reinforced Concrete	Rebar	Cast Iron	Black Metal	THICKNESS		Similar to	Material Thickness	KY Part No.
	MM	IN							MM	IN			
14	100	4		✓	✓	✓	✓	✓	2-8	<1/4	S522BF	0.9	812A
14	152.5	6		✓	✓	✓	✓	✓	2-8	<1/4	S922BF	0.9	811A
14	203.2	8		✓	✓	✓	✓	✓	2-8	<1/4	S1025BF	0.9	810A
14	230	9		✓	✓	✓	✓	✓	2-8	<1/4		0.9	816A
14	305	12		✓	✓	✓	✓	✓	2-8	<1/4		0.9	813A
18	100	4		✓	✓	✓	✓	✓	1.5-3	<1/8	S522EF	0.9	812B
18	152.5	6		✓	✓	✓	✓	✓	1.5-3	<1/8	S922EF	0.9	811B
18	200	8		✓	✓	✓	✓	✓	1.5-3	<1/8	S1122EF	0.9	818B
18	230	9		✓	✓	✓	✓	✓	1.5-3	<1/8		0.9	816B
24	100	4			✓	✓	✓	✓	1-3	<1/8	S522AF	0.9	812C
24	152.5	6			✓	✓	✓	✓	1-3	<1/8	S922AF	0.9	811C
24	203.2	8			✓	✓	✓	✓	1-3	<1/8		0.9	810C

PACKAGE



PNEUMATIC SAW BLADES



BIM

TPI	TOTAL LENGTH		TYPE	Application					THICKNESS MM	Blade Thickness	KY Part No.
	MM	IN									
14	93	3-3/4							2-3	0.6	832A
18	93	3-3/4							1.5-3	0.6	832B
24	93	3-3/4							1-2	0.6	832C
32	93	3-3/4							0.6-1.5	0.6	832D

PACKAGE



HACK SAW BLADES



■ BIM (with Cobalt alloy)

TPI	TOTAL LENGTH		TYPE	Application					THICKNESS MM	Blade Thickness	KY Part No.
	MM	IN									
14	304	12							2-3	0.6	901A
18	304	12							1.5-3	0.6	901B
24	304	12							1-2	0.6	901C
32	304	12							0.6-1.5	0.6	901D

■ BIM (without Cobalt alloy)

TPI	TOTAL LENGTH		TYPE	Application					THICKNESS MM	Blade Thickness	KY Part No.
	MM	IN									
14	304	12							2-3	0.6	902A
18	304	12							1.5-3	0.6	902B
24	304	12							1-2	0.6	902C
32	304	12							0.6-1.5	0.6	902D

■ PACKAGE



JAB SAW BLADES

Sharp and precision-ground blade for easy, quick and clean cutting.

For cutting drywall, plywood, Masonite.



Sharp rip for plunge cuts.

Machined teeth for fast, clean and easy cuts.

Hardened, tempered steel blade with hard chromium plated provides strong, durable and anti-rust usage.

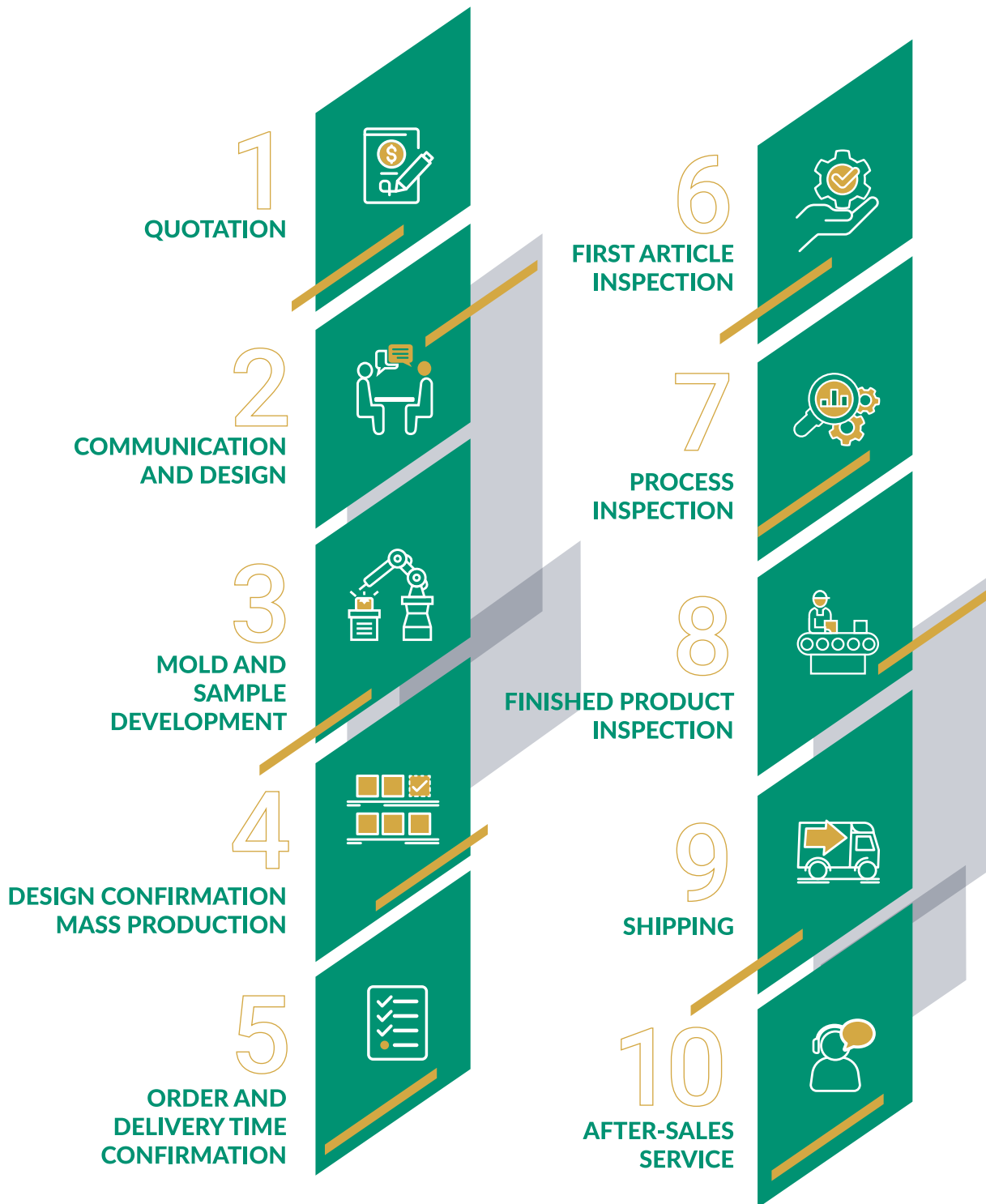
Solid, comfortable and co-molded ergonomic handle secures grip.



TPI	TOTAL LENGTH		PITCH MM	Handle Material	KY Part No.
	MM	IN			
8	165	6-1/2	3.55	PP+TPR	505A
10	165	6-1/2	2.6	PP+TPR	505B

COOPERATION

PROCESS





KINGS YAO INDUSTRIAL CO.,LTD.

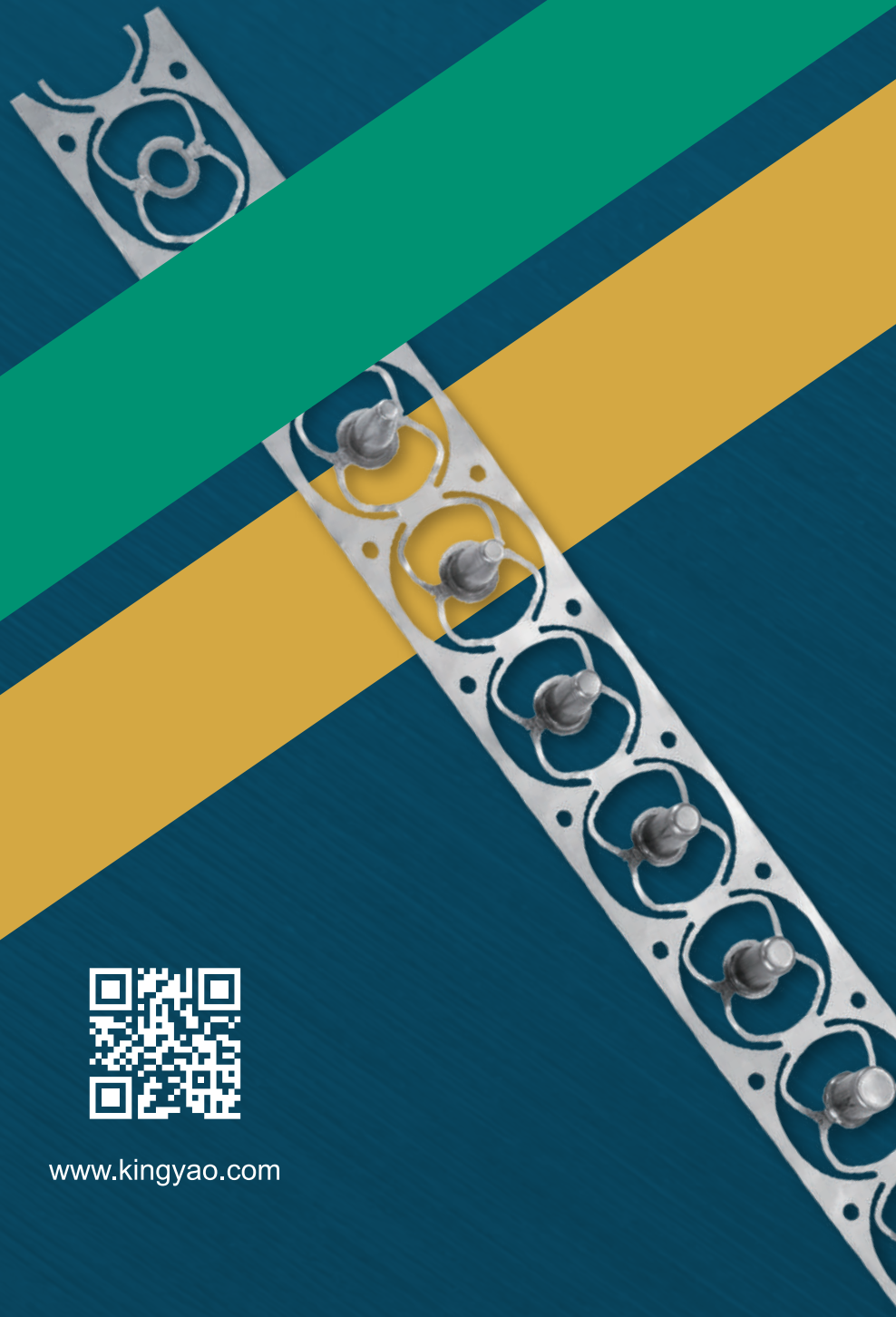
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