



PACKAGING DIAGNOSTIC SERVICES

Industrial equipment, Packaging Machinery ,IT
DATA, Panel upgrades and systems
integration, PM Programs, Water Systems and
more.....



Roger Abea

Technical Sales and Engineering

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Email :

rogerabea07@packagingdiagnosticservices.com

<https://packagingdiagnosticservices.com>

Disclaimer: PDS is not sanctioned or approved by any manufacturer listed. PDS develops channels to available, and is not an authorized distributor or representative for the listed manufacturers or trade replacement parts having no affiliation with any original equipment manufacturer. The trademark of shown in this literature is owned by that manufacturer and not PDS.



Commit your work to the LORD, and then your plans will succeed. Proverbs 16:3

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At PDS Systems, we collaborate to create durable and efficient flexible packaging solutions.

**PACKAGING EQUIPMENT SERVICE, HAYSSEN REBUILDS, VFFS or HFFS RECONSTRUCTIONS
AND REBUILDS, REPAIRS, TRAINING, INSTALLATIONS, PARTS, VFFS OR HFFS MACHINE
CONTROLS UPGRADE, FORMING TUBES AND JAWS**

PDS, founded by Roger Abea, offers a wide range of services and components for industrial and packaging equipment.

We are committed to providing a lifetime of outstanding support by offering you a full range of services including parts, upgrades, remanufacturing, service, and training.

PDS Systems and its partners—WE have over 60 years of experience designing and building packaging systems. It's no wonder, then, that our systems are consistently among the industry's most relied-upon in service today.

We can design turn-key solutions, deliver single-piece orders, or create and deliver something in-between.

Contact us today to begin designing the right solution for your packaging needs!

Our packaging solutions include:

- free-flowing and semi-free flowing bag filling and sealing
- horizontal flow wrappers (HFFS)
- vertical form fill seal (VFFS)
- bag and film converting
- scales
- bag sealing
- palletizing

Additionally, PDS provides a suite of technical services to support your packaging equipment, Automation, IT, Data collection and processing equipment needs.

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WE Work with well-known brands:



A BARRY-WEHMILLER COMPANY



Weighing and Packaging Solution Systems-
New equipment
We now offer a complete packaging system at a competitive price

Our key markets include:

- Beverage
- Food
- Pet Food
- Automotive
- Wineries and Distilleries
- Can and Can End Manufacturers
- Industrial
- Household
- Personal Care

WE BUY OLD USED
HAYSSEN

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Universal BAGGER VFFS Packaging Machine Control Upgrades Recondition and Rebuilds program. Replaces ANY VFFS controls



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We offer controls system replacements for most brands of intermittent VFFS baggers. Hayssen control systems have been the most popular, with more than 100 deployments. Trained specialists can install controls upgrades on-site in about three days. Customers with new controls enjoy many benefits such as higher speeds, less setup and

scrap, less downtime, and less maintenance. Parts used are non-proprietary and readily available through local parts houses.

Our standard offering uses Allen Bradley PLC/HMI with Ethernet connection and Mitsubishi servo motors. Other brands of controls are available to meet your needs.



HayssenSandiacre

A BARRY-WEHMILLER COMPANY



FLEXIBLE SYSTEMS
a bw packaging company



ISHIDA



BOSCH

Invented for life



MATRIX



>> packaging solutions



DELFIN



Universal Packaging, Inc.



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Hayssen Ultima BAGGER VFFS Machine Control Upgrades



Full Cabinet Replacement



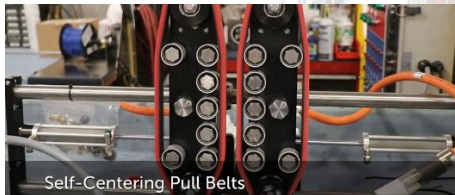
Allen Bradley K5500 Drives



10-inch PV+ 7 Monitor



Festo Air System



Self-Centering Pull Belts



MPL Servo Motors

- Replaces All Ultima Control Systems.
- Replaces Legacy Ultima Control Systems with readily available, fully-supported components.
- Updated HMI.
- Ethernet Connectivity
- Servo Jaw and Zipper compatible Items Included
- Allen Bradley L36 Controller
- Allen Bradley Panel View +7
- Allen Bradley K5500 Servo Drives
- Full Electrical Cabinet
- Self-Centering Pull Belt Upgrade
- Festo Air System Upgrade Installation
- Installation may be completed by trained Service Technician
- All necessary parts and available drawings are included model Availability
- Conversion can be retrofitted to almost all early Hayssen Systems MICRO-LOGIC, MACRO-LOGIC, DECA V, Early Servo Controls and Stepper controls systems

Major conversions should be performed at our facilities by highly skilled and trained personnel and engineering staff.

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Horizontal FLOWPACK Packaging Machine Control Upgrades

Replaces ANY HFFS controls systems



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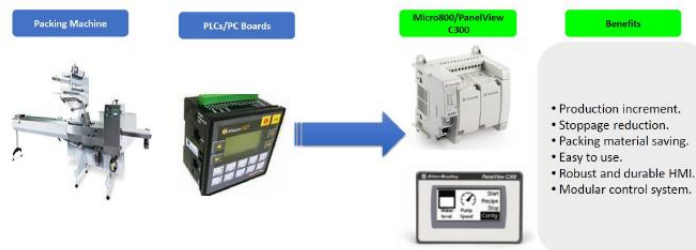
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HORIZONTAL PACKING MACHINE CONTROL UPGRADE

Our customers with horizontal packaging machines are upgrading their control systems (PC board or old PLCs) to a robust platform that offers profitability, and reliability to ensure that production goals will be reached.

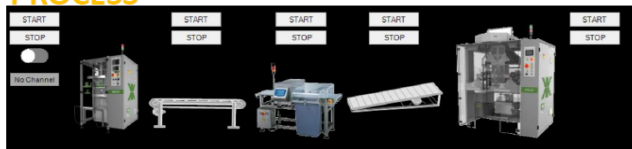


PLC, HMI, Drives, and Servo Upgrade

We work with the most recognized brands of automation and control to offer our customer a flexible solutions according their requirements.

From the PLC, HMI to motion control we can solve your problem with obsolete cards or equipment.

PROCESS



Integration solution for all your process and packing line can be provided to solve downtimes and increase the production lines efficiency.



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Many older machines running today have older or obsolete electronics, schematics that have not been updated, or mechanical transmissions that are inefficient with many moving parts.

In today's packaging environments, equipment owners want efficiency and machine control that can't be provided with older machines that have relay logic or older plc's.

PDS can provide new controls and replace mechanical transmissions with servo controls as needed with new schematics. Standard packages and conversions are available with short lead times and onsite installation by PDS travel service techs.

Major conversions should be performed at our facility by highly skilled and trained personnel and engineering staff.



Bossar
is now SIG!



BOSCH
Invented for life



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Preventive and Corrective maintenance programs to decrease downtime



Professional maintenance optimizes and safeguards the performance of your equipment. Whether you require preventive or corrective maintenance, our experienced engineers are there to support you.



To reduce costs and prevent unexpected downtimes, we recommend planning ahead. Our preventive maintenance concepts offer you fixed plans for regular maintenance measures tailored to your needs



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Parts for HAYSSEN ®, and other Packaging Machines

Our experienced product support and parts executives offer you immediate, multilingual assistance. Combining these experts with a streamlined part ordering system and efficient distribution provides you with total customer support

Hayssen Replacement Parts and Electronic Repair Services

WE know Hayssen. Our factory-trained and certified technicians are intimately familiar with a wide range of Hayssen products. You can be completely confident that your Hayssen machine is in good hands when you send it to us.

You can call us to speak to a live, knowledgeable expert about your repair, or you can track the repair online for peace of mind. That said, the truth is, you won't have much time to think about it — we'll have your Hayssen device fixed and on its way back to you in five days or less. When you get it, you'll know you can put it right back into operation because we rigorously test every component before we put it all back together and send it on its way.



HayssenSandiacre

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PACKAGING AND TAPE MACHINE KNIVES FROM PDS

PDS CUTTING EDGE HAS PROVEN OURSELVES IN THE MARKET TIME AND TIME AGAIN. PACKAGING KNIVES REQUIRE CLOSE TOLERANCES AND WE HAVE THE EXPERTISE TO DEAL WITH SPECIAL REQUIREMENTS THAT ARE NOT VISIBLE TO THE NAKED EYE. WE CARRY STOCK ITEMS ON POPULAR BRANDS AND MANUFACTURE PDS BRAND OEM COMPATIBLE BLADES AND KNIVES FOR ALL PACKAGING MACHINES SUCH AS:

- FORM, FILL AND SEAL
- VACUUM PACKAGING
- FILM WRAPPING
- TRAY FORMING CARTON SEALING INCLUDING TAMPER-EVIDENT



WE PROVIDE V-TOOTH, SCALLOPED TOOTH, SERRATED TOOTH, ZIG-ZAG, AND KNIFE AND ANVIL SETS. WITH OUR KNOWLEDGE OF SPECIAL MATERIALS AND COATINGS, WE CAN OFTEN DESIGN A KNIFE THAT WILL IMPROVE YOUR PRODUCTION. PDS OFFERS A COMPREHENSIVE RANGE OF PRECISION GROUND BLADES, MADE FROM HIGH QUALITY HARDENED AND TEMPERED STAINLESS AND CARBON STEELS. ALL PACKAGING KNIVES ARE MADE TO THE MOST EXACTING OEM STANDARDS. THIS ENABLES OUR CUSTOMERS TO OBTAIN THE BEST POSSIBLE RESULTS FOR THEIR CUTTING REQUIREMENTS AND LOWERING THEIR OVERALL PRODUCTION COSTS.

PDS OFFERS PACKAGING AND FORM, FILL, AND SEAL SOLUTIONS COMPATIBLE WITH THE FOLLOWING OEMS:

- | | | |
|----------------|------------------|------------------|
| • 3M® | • GEORGE GORDON® | • PACMAC® |
| • ALLPAK® | • GEVAS® | • PAK RAPID® |
| • ARPAC® | • GLOUCESTER® | • PATTYN® |
| • AUTOWRAPPER® | • HAYSEN® | • RECORD® |
| • BAG PAK® | • HANSEL® | • REDPACK® |
| • BOSCH® | • ILIPAK® | • ROSE FORGROVE® |
| • CAVANNA® | • INTERTAPE® | • ROVEMA® |
| • CONFLEX® | • KLOCKNER® | • ROTA MATIC® |
| • CRYOVAC® | • LITTLE DAVID® | • SANDIACRE® |
| • DEKKA® | • LOVESHAW® | • SIG® |
| • DOBOY® | • MULTIVAC® | • TEYOPHARM® |
| • EUROSICMA® | • MOLINS® | • TIPPER TIE® |
| • FAWEMA® | • OMORI® | • TRIANGLE® |
| • FMC® | • OSSID® | • ULMA® |
| • FUJI® | • OTEM® | • WR GRACE® |

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PACKAGING KNIVES FOR VERTICAL and HORIZONTAL FORM, FILL, & SEAL MACHINES



WE can provide a variety of packaging knives for flow wrapping, shrink-wrapping, overwrapping, diamond wrapping, diefold wrapping, and horizontally fed pouch-filling machinery. All packaging knives for VFF or HFFS machinery are manufactured using premium steel and heat-treated to ensure long-lasting quality. If necessary, WE can modify or provide custom packaging knives as well as customized coatings for longer wear resistance.

WE can provide the following blades for Horizontal Form, Fill & Seal Machines:

- Flow wrapping knives
- Shrink wrapping knives
- Pouch knives
- Straight-cut knives
- Bagger knives
- Heat seal bands
- Pouch knives
- Sealing jaws



Recommended cutting applications:

- Food/tray products
- Fresh meats/dried jerky
- Bakery products
- Coffee & tea
- Candy (bars, pouches, and individually wrapped)
- Nutrition bars
- Cosmetic products & soaps
- Medical products
- Frozen goods and popsicles
- Pet foods
- Snack foods
- Wet wipes
- Industrial products

Compatible OEM HFFS machinery:

- ACMA GD
- Bassar
- Doboy
- Gram Equipment
- Fuji
- Klockner
- Nortech
- Sigpack
- Sig/Sasib
- ULMA
- Allpak
- Bosch
- Campbell
- Ideal
- HMC
- Loesch
- OSSid
- Scandia
- Theegarten
- Viking Masek

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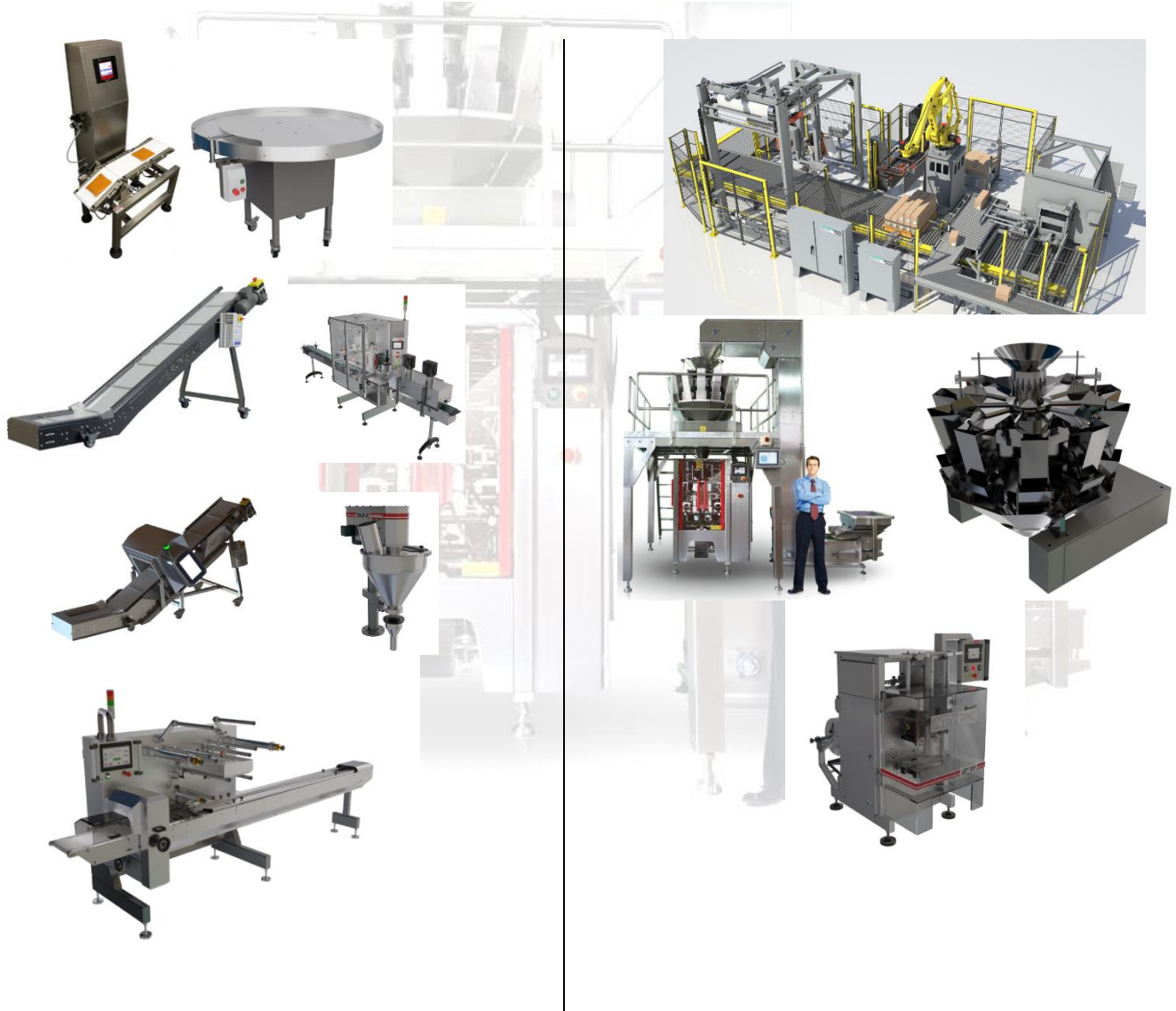
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ALSO AVAILABLE NEW PACKAGING EQUIPMENT

- **SHRINK SLEEVES-VERTICAL-HORIZONTAL-FILL SYSTEMS-METAL DETECTORS-CHECK WEIGHERS-TABLES-CONVEYORS-PALLETIZING SYSTEMS**



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Flow pack machines

Here is our selection of Flowpack Horizontal packaging machines designed and built to become essential in your production line, and to exceed your expectations and provide added value to your business every day. Whether you're looking for an hermetic packaging machine for prolonged shelf life, passive atmosphere packaging or leak proof flowrapper, WE can support you thanks to our flexible packaging solutions.



Lynx 400S

Designed and built to achieve high production standards.

[Find out more](#)



Hydra

Efficient and flexible. Ideal for operating in humid or particularly cold environments.

[Find out more](#)



Galaxy

Ideal for all large and heavy products.

[Find out more](#)



Tucano

Extremely versatile and customizable flow pack machine.

[Find out more](#)



Viro

Top of the range top reel packaging machines. Ideal for all products that require ATM packaging.

[Find out more](#)



Vela

Reduced dimensions and translating movement sealing bars, for an extremely compact and versatile machine.

[Find out more](#)

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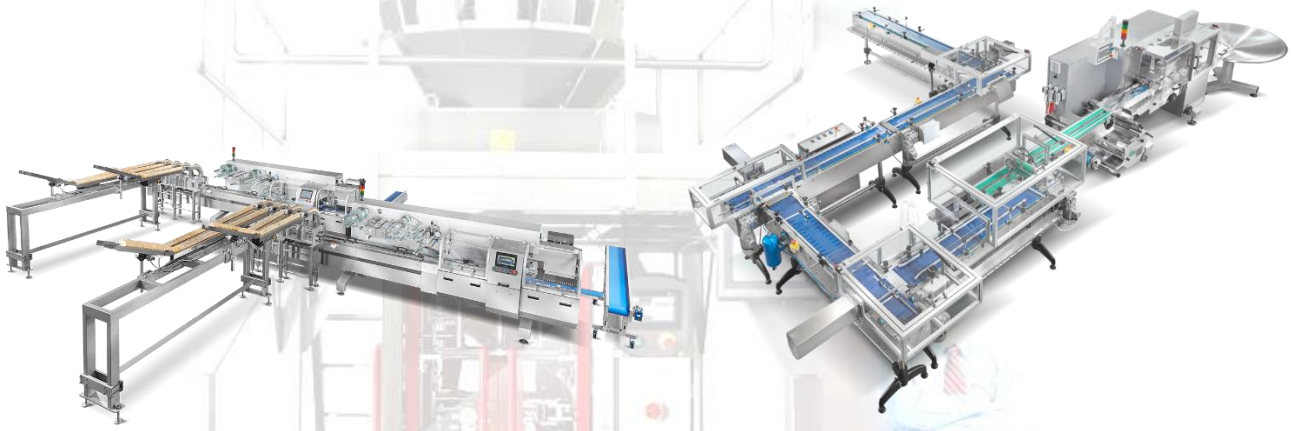
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Our automatic lines

Our best Flowpack packaging machines, combined in synergy within automatic lines designed and tested over the years, and dedicated to the various production sectors in which Delfin boasts its experience.

We provide solutions studied in detail, for maximum yield and efficiency, already pre-arranged in complete but flexible lines.



Snack line



Soap line



Bearings line



Biscuit line

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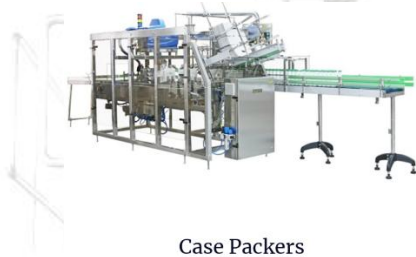
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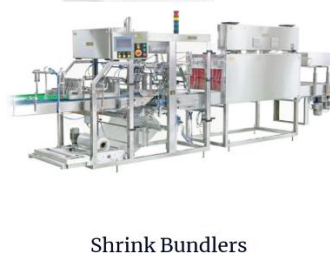
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Secondary Packaging Specialist

Automatic Shrink Wrap Machines & Tray Packers



Case Packers



Shrink Bundlers



Tray Packer



Overlap Seal / Print Film Wrappers



3-1 COMBI Packers



Display Case Packers



High Speed Overlap
Shrink Wrappers



Specializing in economical shrink
wrappers and tray packers.



Specializing in high-speed film
wrappers, tray packers and wraparound
case packers.



Specializing in robotic case packing
and palletizing.

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Systems Integration Services and DATA Acquisition

DATA ADQUISITION, REPORTS, AND DISPLAY

The Customer requires to generate a report (PDF by email) for every completed batch and display the process status to be accessible by the operators, and supervisors on the production floor or by remote display on the computers.

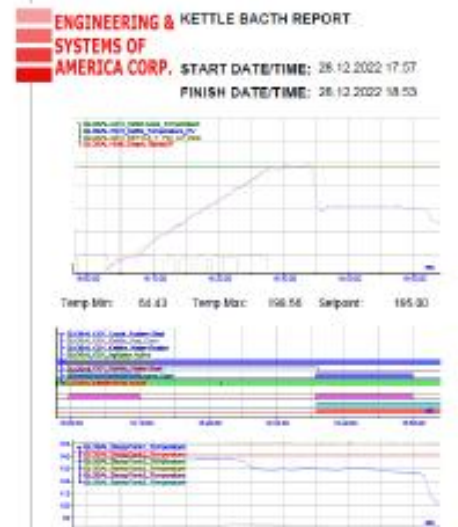


Data Acquisition Panel



Real-time dashboard

Automatic Report by e-mail



Data Acquisition



CompactLogix PLC

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Panel building and upgrades



With years of expertise, PDS Integrated Systems is a trusted partner to packaging companies and offers a broad range of expertise.

Our seamlessly designed integrated packaging systems are critical to our customers' success.

Whether you are implementing a new packaging system or are ready to optimize an

existing system, PDS Systems has the talent and experience to provide a best in class system that meets your needs.



With core competencies stretching from packaging line execution to robotic automation, PDS Integrated Systems not only provides packaging systems solutions for virtually every segment of the consumer-packaged goods industry, we also offer customized integration solutions for some of the world's best known automotive, industrial and logistics companies.

Our key markets include:

- Beverage
- Food
- Pet Food
- Automotive
- Wineries and Distilleries
- Can and Can End Manufacturers
- Industrial
- Household
- Personal Care

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FORMING TUBE ASSEMBLIES



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Former Fab Inc.'s founder, Dennis Kokkinis has more than 30 years of experience in the engineering and fabrication of vertical, form fill and seal tooling. This unmatched experience has led to lifelong relationships with some of the biggest food packagers and OEM packaging machine suppliers in the world. All of our customers receive this same care, attention, unbeatable quality and value regardless of the size of their operation



FORMER FAB, INC.
Fabrication Beyond Imagination

HayssenSandiacre

A BARRY-WEHMILLER COMPANY

Alpaca
Artypac
Avatar
Blodgett
Bosch
BPI Equipment
Campbell Wrapper
Cryovac
Doboy
FMC
Fresco
General Packaging
Gentry
Hayssen
Ilapak
Indumak

Inpaco
Ishida
Kawashima
Kelley-Perry
Keypack
M-Tek
Matrix
Miele
Mira-Pak
Nelson
Ohlson
Pentapack
PFM
Prodo-Pak
Ross
Rovema



Universal Packaging, Inc.

Sasib
System Pack
Tech-Pak
TNA
Transpack
Transwrap
Triangle
ULMA
Universal Packaging
UVA Butler
Viking Masek
Weighpack
Winpak Lane
Wolf
Woodman
Wright

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FORMING TUBE ASSEMBLIES SERVICES



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Fabrication Beyond Imagination



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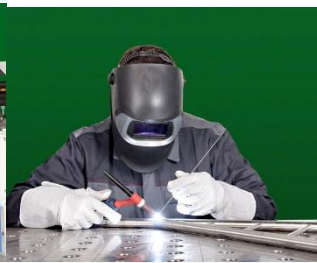
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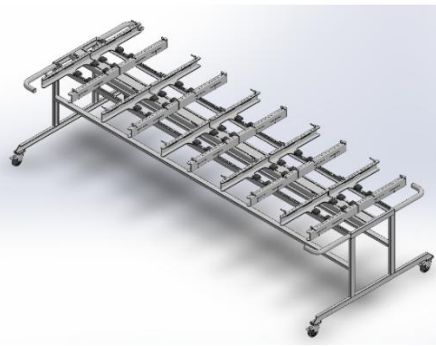
Repair & Refurbishment of Forming Shoulders & Sealing Jaws

Former Fab can help you get maximum use out of the equipment you have already invested in.



Forming Tube Storage Carts

Former Fab manufactures stainless steel forming tube storage carts with maintenance-free casters and we offer a wall mounted model as well. These storage carts can carry between 2-8 forming assemblies depending on your needs and will keep your formers off the floor, away from bacteria and possible damage.



We offer Ishida Inspira Forming Tubes and TNA Formers

We offer the following forming

shoulder/forming tube options, just to name a

few:

- Rectangular, round or oval units
- Nitrogen gas flush lines
- Top and side zipper modifications

- Back seals (adjustable crossover), quad and side seals
- Product transition funnels
- Flat bottom bag attachments
- Gusset finger attachments
- Vacuum and dust ports
- Creaser roller assemblies

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SEALING JAWS and Knives



Commit your work to the LORD, and then your plans will succeed. Proverbs 16:3

Roger Abea Technical Sales and Engineering

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Not only can **our companies** provide the highest quality forming assemblies for your vertical and horizontal packaging machines but now we offer sealing jaws as well. Our end seal division has opened and all sets are manufactured from precision ground tool steel. We offer horizontal, vertical and diagonal standard serrations as well as our "SST" profile to rid of those stubborn package leaks. All seal bars are plated with electroless nickel coating but we also offer our non-stick "NTC" coating that increases film release.



Here are a few of the packaging manufacturers we serve:



ARTYPAC
AVATAR
BLODGETT
BOSCH
CRYOVAC
DOBOY
FMC
FRESCO
GENERAL PACKAGING
GENTRY
HAYSSSEN
ILAPAK
INPACO



ISHIDA
LEONHARD PACKAGING
KAWASHIMA
KELLEY-PERRY
KEYPACK
MATRIX
MIRA-PAK
NELSON
PACMAC
PENTAPACK
ROSS
ROVEMA
SANDIACRE

SASIB
SYSTEM PACK
TNA
TECH-PAK
TRANSPACK
TRANSWRAP
TRIANGLE
UVA BUTLER
UNIVERSAL PACKAGING
WEIGHTPACK
WINPAK LANE
WOODMAN
WRIGHT

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ULTRASONIC CROSS SEALING INTEGRATION

Convert your existing vertical form fill seal (VFFS) machine with ultrasonic sealing technology economically and accurately.

7 Reasons Why Ultrasonic Sealing Conversion

1. REDUCED FILM COST
2. LESS PRODUCT WASTE
3. ENHANCED THROUGHPUT
4. IMPROVED PRODUCT QUALITY
5. ENHANCED SAFETY & MAINTENANCE
6. REDUCED ENERGY CONSUMPTION
7. ULTRASONIC SEALING IS AN 'INTELLIGENT' PROCESS



The Stand-Alone Ultrasonic Sealing Unit is the ideal solution for retrofitting existing baggers with ultrasonic sealing technology.

The Ultrasonic Stand-Alone Unit provides accurate positioning, seal time, and consistent seal force to support the ultrasonic sealing process.

HMI COLOR INTERFACE

Standard with each unit has multiple screen levels to provide the end-user with complete control over the ultrasonic sealing process.

- **Universal designs** for baggers
- **Versatile use** with ultrasonic and heating systems
- **Precise seal** face alignment
- **Consistent seal** force control

This unit has independent motion control separate from the bagger.

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Custom Metal Fabrication

We are pleased to inform you about our recent collaboration with Package Pros and Former Fab in Houston, Texas. Package Pros specializes in providing a range of enhancements and renovations for your current VFFS baggers.

We are able to customize the enhancement of your bagger to align with the requirements of your company. We provide mechanical enhancements, as well as the latest and most advanced control system replacements. The control system has a successful track record of 10 years of implementation with this particular design in use at numerous production facilities.



Package Pros, situated in Pearland, Texas, provides Packaging Machine Reconditioning Services to revitalize your aging packaging equipment and improve your production line's efficiency. We are excited to share the opening of a new 30,000-square-foot facility for design, development, and product testing on five acres in Pearland, Texas. This expanded space offers excellent accessibility and enables Package Pros, LLC to progress alongside our clients and support our growth.

We are capable of addressing all your packaging equipment requirements..

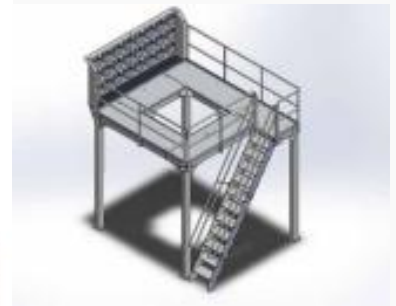


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All-metal solutions with a wide variety of materials

PDS together with **Former Fab** fabricates custom all-metal solutions and offers a wide variety of materials, fabrication, and finishing services to produce your project to your specifications. From combination scale platforms to site glasses and access ports to clear product bridging issues, our design team is equally experienced using our customers' designs as-is, or providing research and development input from concept to product realization

- Stainless Steel
- Aluminum
- Carbon Steel
- Textured
- Slick
- Non-Skid
- Perforated Polished
- Expanded

Other examples of custom metalwork

- Commercial Air Conditioning Skids
- Dehumidifier Enclosures
- Industrial Heaters
- Handrails
- Wash Down Tables
- Material Racks
- Custom Cabinets
- Custom Counter Top

Third-party maintenance (TPM)



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Third-party maintenance (TPM) is a service that provides IT hardware and equipment support from an independent provider, rather than the original equipment manufacturer (OEM). TPM can be a cost-effective alternative to OEM support, and can be especially useful when a device's warranty has ended.



TPM can include a variety of services, such as:

Hardware repair and replacement

Preventive maintenance

Technical support

On-site engineering assistance

Data backup

Remote monitoring

Operating system support

TPM can be a good option when an OEM stops supporting a device or stops manufacturing parts for it. TPM can also be a good choice when a device has reached the end of its service life (EOSL).

Some benefits of TPM include:

Cost savings: TPM can be less expensive than OEM support.

Flexibility: TPM can offer more flexible service agreements and timetables.

Expertise: TPM providers can offer expertise across a wide range of hardware brands and manufacturers.

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WATER TREATMENT SYSTEMS

Product Water transfer pump Ski CARBON TOWERS



- Product Water tank.
- Pump for water transfer with individual VFDs
- The VFDs can be controlled locally or integrated to the network.
- High Efficiency motors



Activated Carbon Towers (GAC) include standard features and options to provide the best solutions for chlorine and organics control in water treatment for the soft drink, bottled water, brewing and food processing industries. Custom built carbon towers are all 316 stainless steel, Nitric Acid Passivated and Glass Bead Blasted to insure a uniform long lasting appearance. All face piping is 316 stainless steel and is also Passivated and Glass Bead Blasted.

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