

OEM Retrofit Solutions

For Your Van Dorn and Demag Machines

Designed specifically for your Van Dorn and Demag machines, OEM Retrofit Solutions from Demag Plastics Group help you:

- Improve overall productivity
- Expand processing capabilities
- Achieve energy savings
- Prolong machinery life
- Ensure machine safety
- Improve your bottom line with minimal investment

Plus, with the new VDU Control, you can optimize the uptime and performance of your Van Dorn HT, HP and Classic series machines.

From the selection of the best solution for your requirements, through installation and on-going processing and technical support, our Retrofit Team is here to help. Just give us a call at **866-491-1045**.



*Minimal investment...
substantial ROI.*

Your single source for:

- The Van Dorn Universal Control
- Manifold rebuilds
- Tonnage cylinder rebuilds
- Linkage rebuilds
- Injection unit rebuilds
- Custom barrel and screw solutions to fit your needs
- Mobile hot runner units
- Machine enhancements such as robot interfaces, mold gates, core options, Multi-plug adaptation, etc.
- Integrated solutions

OEM Retrofit Solutions

For minimal investment, OEM Retrofit Solutions can make a substantial difference in the flexibility and efficiency of your operations and to your bottom line.

Control system solutions, such as the new VDU controller for Van Dorn legacy machines, can optimize both uptime and machine performance while removing the cost and worry of finding spare parts.

Of course retrofit solutions that improve reliability and productivity and prolong machine life are obvious ways to achieve bottom line improvements. But the possibilities go far beyond that. Expanding the capabilities of your Van Dorn and Demag machines with OEM Retrofit Solutions can open the doors to new applications and business without the substantial investment in new equipment. For example, single-shot machines can be adapted to double-shot or injection components can be replaced to tackle new processing techniques. We can also help your bottom line with energy-saving solutions such as:

- Proportional valve updates
- Machine tuning
- Heater band upgrades
- Solid-state heater contactors



The Demag Plastics Group Difference

No one knows Van Dorn and Demag machines like we do, and your retrofit is specifically designed to work with your machine and provide the results you require. OEM Retrofit Solutions from Demag Plastics Group are your assurance of worry-free selection, timely quotation and delivery, professional installation, performance-to-spec and comprehensive and on-going technical service and support. This support includes:

- **Field Service** — With over 375 years of industry experience, our regionally located and factory-trained service engineers are standing by, ready to help with your retrofit installation and support. Retrofits installed by our service engineers are guaranteed.
- **Training** — As required, our Training Group is also available to demonstrate the optimal use of your new retrofit, ensuring that you receive maximum value from your investment.
- **Processing Assistance** — Demag process specialists provide specialized assistance for difficult-to-process resins, new and emerging applications, automation, process troubleshooting and machine optimization.

	HT 85-230	HT 300-850	HP 260- 4400	Spectra 500-950	Vertical 30-400	Caliber 500- 3300	Titan 500-950	Titan 900- 2200	IntElect 50-385
Power/Control									
Control Upgrade	✓	✓	✓	✓	✓	✓	✓	N/A	✓
Configurable I/O	✓	✓	✓	✓	✓	✓	✓	✓	✓
Boost Cut-off by Cavity Pressure	✓	✓	✓	✓	✓	✓	✓	✓	✓
RJG Interface E-Dart	✓	✓	✓	✓	✓	✓	✓	✓	✓
SPI Robot Interface	✓	✓	✓	✓	✓	✓	✓	STD	STD
Feed Throat Temp. Control	✓	✓	✓	STD	✓	STD	STD	STD	STD
Part Drop Detector	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ejector Plate Monitor	✓	✓	✓	✓	✓	✓	✓	✓	✓
230 / 480 Voltage Conversions	✓	✓	✓	✓	✓	N/A	✓	N/A	✓
ErgoHeat Hot Runner Control	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓	N/A

Clamp									
Automatic Lubrication System	✓	✓	STD	STD	STD	STD	STD	STD	STD
Hydraulic Mold Gate Valve	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pneumatic Mold Gate Valve	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stationary Platen Cores	✓	✓	✓	✓	✓	✓	✓	✓	✓
Movable Platen Cores	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unscrewing Sequence	✓	✓	✓	✓	✓	✓	✓	✓	✓
Air Blow	✓	✓	✓	✓	✓	✓	✓	✓	✓
Selectable Mold Eject	✓	✓	✓	✓	✓	✓	✓	✓	N/A
Premium Filtration	✓	✓	✓	✓	✓	✓	✓	✓	N/A
Magnetic Mold Clamp System	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clamp Tonnage Control	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auto Die Height Adjust	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	STD
Increase Die Height	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Min. Die Height	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Injection									
Screw Drive Up-size / Down-size	✓	✓	✓	✓	✓	✓	✓	✓	✓
Screw Drive Remanufacture	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ceramic Heater Bands	✓	✓	✓	✓	✓	✓	✓	STD	STD
High Pressure Barrel Package	✓	✓	✓	✓	✓	✓	✓	✓	✓
High Volume Barrel Package	✓	✓	✓	✓	✓	✓	✓	✓	✓
Thermoset Barrel Package	✓	✓	✓	✓	✓	✓	✓	✓	✓
High Torque Screw Motor	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hydraulic Nozzle Shutoff	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pneumatic Nozzle Shutoff	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Material Hopper / Swing Arm	✓	✓	✓	✓	✓	✓	✓	✓	✓

ENERGY-SAVING

✓ = Available N/A = Not Applicable STD = Standard

El-Exis S 100- 550	Concept 25-110	Concept 125-420	IntElect DD 50-210	Extra 25-110	Extra 125- 150	System 400- 2000	Systec 25-800	
								Power/Control
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Control Upgrade
✓	✓	✓	✓	✓	✓	✓	✓	Configurable I/O
✓	✓	✓	✓	✓	✓	✓	✓	Boost Cut-off by Cavity Pressure
✓	✓	✓	✓	✓	✓	✓	✓	RJG Interface E-Dart
✓	✓	✓	✓	✓	✓	✓	✓	SPI Robot Interface
STD	✓	STD	STD	✓	✓	✓	✓	Feed Throat Temp. Control
✓	✓	✓	✓	✓	✓	✓	✓	Part Drop Detector
✓	✓	✓	✓	✓	✓	✓	✓	Ejector Plate Monitor
✓	✓	✓	✓	✓	✓	✓	✓	230 / 460 Voltage Conversions
✓	✓	✓	✓	✓	✓	✓	✓	ErgoHeat Hot Runner Control

								Clamp
STD	STD	STD	STD	STD	STD	STD	STD	Automatic Lubrication System
✓	✓	✓	✓	✓	✓	✓	✓	Hydraulic Mold Gate Valve
✓	✓	✓	✓	✓	✓	✓	✓	Pneumatic Mold Gate Valve
✓	✓	✓	✓	✓	✓	✓	✓	Stationary Platen Cores
✓	✓	✓	✓	✓	✓	✓	✓	Movable Platen Cores
STD	STD	STD	STD	STD	STD	STD	STD	Unscrewing Sequence
✓	✓	✓	✓	✓	✓	✓	✓	Air Blow
✓	✓	✓	N/A	✓	✓	✓	✓	Selectable Mold Eject
✓	✓	✓	N/A	✓	✓	✓	✓	Premium Filtration
✓	✓	✓	✓	✓	✓	✓	✓	Magnetic Mold Clamp System
✓	N/A	✓	✓	N/A	✓	✓	✓	Clamp Tonnage Control
STD	N/A	✓	STD	N/A	✓	✓	✓	Auto Die Height Adjust
✓	N/A	N/A	✓	N/A	N/A	✓	✓	Increase Die Height
N/A	✓	N/A	N/A	✓	N/A	N/A	N/A	Min. Die Height

								Injection
✓	✓	✓	✓	✓	✓	✓	✓	Screw Drive Up-size / Down-size
✓	✓	✓	✓	✓	✓	✓	✓	Screw Drive Remanufacture
STD	STD	STD	STD	STD	STD	STD	STD	Ceramic Heater Bands
✓	✓	✓	✓	✓	✓	✓	✓	High Pressure Barrel Package
✓	✓	✓	✓	✓	✓	✓	✓	High Volume Barrel Package
✓	✓	✓	✓	✓	✓	✓	✓	Thermoset Barrel Package
✓	✓	✓	N/A	✓	✓	✓	✓	High Torque Screw Motor
✓	✓	✓	✓	✓	✓	✓	✓	Hydraulic Nozzle Shutoff
✓	✓	✓	✓	✓	✓	✓	✓	Pneumatic Nozzle Shutoff
✓	✓	✓	✓	✓	✓	✓	✓	Material Hopper / Swing Arm

SOLUTIONS AVAILABLE

The New VDU

Optimize the uptime and performance of your Van Dorn HT, HP and Classic series machines.

The Van Dorn Universal (VDU) control combines familiar Pathfinder® screen formats with the advanced capabilities of Demag's state-of-the-art controls and software. It's an ultra-fast PC-based control that has been OEM-designed to take full advantage of your machines' capabilities and put unparalleled control of precision and repeatability at your fingertips.

Familiar Screens with State-of-the-Art Control

- Ultra-fast PC-based control with complete system scan time under a half millisecond
- Full closed-loop process control
- Full profiling and graphing functions
- Multiple USB ports for setup storage
- 15" XGA high-resolution touch-screen
- Drag-n-drop profile settings
- Ethernet access
- Production data system
- Data logging with Excel export
- Two-stage low-pressure close w/try-again
- Auto-tune barrel temp. control w/graphics
- Compatibility with plant monitoring systems

The Worry-free Retrofit Control

- OEM designed and installed to ensure peak machine performance and a custom fit
- Preprogrammed for fast addition of commonly used options
- On-site training plus support throughout the upgrade process
- Two-year parts plus one-year labor warranty
- Eliminates costly problems associated with old controls

To view the VDU screens, simply visit our website at <http://amsales.dpg.com/> and click on the VDU link on the right.

"The new VDU control has made our press more accurate and consistent. It has also made troubleshooting much easier and less time-consuming."

Kevin Lawhead
Maintenance Manager
Pier-Mac Plastics



Mobile Hot Runner Control

The ErgoHeat mobile hot runner system is an easy and cost-efficient way to extend the hot runner capabilities of your Van Dorn and Demag machines. Available in models for up to 16 or 32 hot runner zones, this OEM retrofit unit enables convenient control of both external and internal hot runner zones via your machine's control system.



Multi-plug Expands Single-Shot Machines to Multi-Shot

Multi-plug makes multi-shot injection molding easier and more cost-efficient by allowing you to retrofit your existing machine with one or more additional injection units. This unique retrofit system is available in a wide range of injection unit sizes, including models that are vertically adjustable (V configuration), horizontally adjustable (L configuration) and specially designed R configuration where the second injection unit is placed above the main injection unit.



We're Here to Help. Call Today.

These are just a few examples of the OEM Retrofit Solutions that can help your bottom line. While you have us on the phone, be sure to ask about:

- **Energy-savings solutions**
- **Available financing**

Just pick up the phone or visit us online.

Toll-free: 866-491-1045
<http://amsales.dpg.com>

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