



## Predesigned Solutions

- *Husky® E-Line*
- *Husky® D-Line*
- *Husky® Quadlock*
- *Husky® Tandem*
- *Husky® G-Line*
- *Demag / Van Dorn*
- *Ube Max*
- *Cincinnati / Milacron®*

## Features

- **Allen-Bradley CompactLogix®**
  - CompactLogix
  - AC or DC Motor Control
  - Pressure Monitoring
  - Built-in Temperature Control
  - Advanced core features
  - Integrated sequential valve gates
  - Ethernet
- **Touchscreen HMI**
  - 12.5" Versaview® Industrial PC
  - Recipe Storage
  - Security
  - Integrated RFID Reader
- **Bosch Rexroth HACD®**
  - High speed closed loop control
- **Hydraulics Upgrade**
  - Ductile Iron Clamp Manifold
  - High speed proportional valves
- **Data Logging**
  - Setpoint Tracking
- **Digital Sensors**
  - Digital position sensors
- **Turnkey Control Solutions**
  - Design & Drawings
  - Installation & Programming
  - Training & Manuals
  - Support

## Demag / Van Dorn Solution

In today's competitive marketplace, the Injection molding process requires repeatable clamp motion, injection control, and precise temperature control to manufacture a consistent, cost competitive part. Failure to maintain consistency in any portion of the process will result in a varying part weight, increasing scrap and decreasing machine efficiency. A JVH customized solution provides high speed, closed loop control to maintain the manufacturing consistency and repeatability that is required.



JVH Engineering has designed a controls platform utilizing Bosch Rexroth closed loop controls in conjunction with Rockwell Software® and an Allen-Bradley CompactLogix® system. This platform has been used to create a predesigned solution for Demag/Van Dorn injection molding machines. These tested solutions use the most up to date Allen-Bradley® technology along with customer specified Rockwell Software® to allow for ease of use. All our solutions are designed with the intent of delivering a turnkey control design that allows for full customer manipulation.

Due to age and advances in technology control systems on Demag/Van Dorn's, original or Pathfinder upgrades, are very flawed and out of date. These old systems make operating and maintaining such a nightmare for customers that they are usually left contemplating between fixing or replacing these machines. That is where the JVH Engineering controls solution come in. Purchasing this solution will fix the original flaws of your machine, while receiving full service and support from JVH Engineering on all controls needs.

Our solution is comprised of a full control upgrade as well as an optional servo valve replacement. The new cost-effective proportional valves will deliver fast, smooth, and quiet machine operation. Upgrading from the old control system to a new CompactLogix® system will also improve barrel and mold temperature response, creating a more repeatable production process. The Logix based controllers use an enhanced PID algorithm to provide low cost heat/cool loops. JVH's custom configured motion control supplies precise clamp and injection control. Not only does a JVH control solution provide one of the highest performing systems available today, but we also empower the end user with the tools needed to effectively modify and customize the hardware and software to make the machine control system infinitely flexible and fully scalable.



\* For all quotes and support please visit [www.jvh.com](http://www.jvh.com) to fill out the free quote form or email our team at:

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