



## 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
  - Pressure monitoring
  - Built-in temperature control
  - Advanced core features
  - Integrated quick mold change
  - Integrated sequential valve gates
  - Ethernet communication
- **Touchscreen HMI**
  - 12.5" Versaview® Industrial PC
  - Recipe Storage
  - Customizable security levels
  - Integrated RFID Reader
- **Hydraulics Upgrade**
  - High speed proportional valves
  - Valve feedback on screen
- **Data Logging**
  - Setpoint tracking
  - Real time trending
- **Digital Sensors**
  - Noiseless position sensors
- **Turnkey Control Solutions**
  - Design & Drawings
  - Installation & Programming
  - Training & Manuals
  - Support

## Italtech® Injection Molding 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 Rockwell Software® and an Allen-Bradley CompactLogix® system. This platform has been used to create a predesigned solution for Italtech 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 full customer manipulation.

Our solution is comprised of a full control upgrade as well as some optional line items including, valve replacements, integrated QMC's, and integrated sequential valve gates. 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 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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