JVH ENGINEERING, INC.

Consulting Engineers In Industrial Automation
WWW.JVH.COM

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**
  - High speed proportional valves
- **Data Logging**
  - Setpoint Tracking
- **Digital Sensors**
  - Digital position sensors
- **Turnkey Control Solutions**
  - Design & Drawings
  - Installation & Programming
  - Training & Manuals
  - Support

Husky® Quadloc 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 Husky® Quadlock 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. And with the legendary Allen-Bradley® reputation for dependable, robust products and the powerful distribution and service channels of Rockwell Software®, machine downtime is minimized.

Husky® Quadlock, a mechanically well-built injection molding machine much like its predecessor the E-Line, has many control system design flaws . Husky® has stopped servicing these machines leaving customers in limbo between fixing or replacing these machines.

That is where the JVH Engineering controls solution comes 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.

Rockwell Automation Recognized System Integrator

certified WBENC WOMEN'S BUSINESS ENTERPRISE

* For all quotes and support please visit www.jvh.com to fill out the free quote form or email our team at:

Quotes@jvh.com Support@jvh.com

Corporate Headquarters
JVH Engineering, Inc., 3040 Ivanrest SW, Grandville MI 49418-1443 USA Tel: (1) 616-827-7875 Fax: (1) 616-531-7763

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