

Application Solutions

JVH Engineering, Inc.

3040 Ivanrest Ave. Grandville, MI 49418

Industrial Control Solutions Blow Molding

Features

- **Blowmolding Control Solutions**
 - Continuous Extrusion
 - Reciprocating
 - Wheel Applications
 - Time or Position Based
- **Allen-Bradley PLC Architecture**
 - ControlLogix
 - CompactLogix
 - SLC 500
- **AB Touchscreen HMI**
 - 12.5" Versaview Industrial PC
 - 12.5" Versaview CE
 - Recipe Storage
 - Security
- **Extrusion Control**
 - AC or DC Motor Control
 - Pressure Monitoring
 - Built-in Temperature Control
- **Pushout Control**
 - 200 Point profile
 - High speed closed loop control
 - Linear/Spline Interpolation
- **Parison Control**
 - 200 Point Profile
 - High speed closed loop control
 - Linear/Spline Interpolation
- **Data Logging**
 - Historian Tracking
 - PlantMetrics, OEE
- **Distributed Control**
 - ControlNet
 - DeviceNet
 - Ethernet
 - DH+ & RIO
- **Turnkey Control Solutions**
 - Design & Drawings
 - Installation & Programming
 - Training & Manuals
 - Support



In today's competitive marketplace, the blow molding process requires repeatable clamp motion, pushout control, parison 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.

Utilizing Rockwell Automation's suite of flexible programmable automation controllers, JVH Engineering can design a custom controls solution for new machinery or a replacement system for almost any existing Blow Molding equipment including Sterling, Williams White, Bekum, Uniloy and many others.

Providing more than just parison programming capability, Rockwell's diverse PLC architectures can place full machine control under one roof. 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, pushout and parison control. And with Allen-Bradley's legendary reputation for dependable, robust products and Rockwell's powerful distribution and service channels, machine downtime is minimized.

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.



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