# Altanium Servo Control

Easy to use servo actuation for all of your mold movements



## Benefits:

- Customizable servo control, simple and intuitive operation
- High precision motion control for every mold motion
- Clean actuation with no risk of oil contamination
- Dedicated application engineering support
- Global start-up and service support

# Features:

- User programmable mold servo actuation for up to 6 axes plus one axis for UltraSync-E control
- Integrated servo and temperature control in one unit
- 19" touch screen interface
- Simplified signal interface with injection molding machine

As the industry continues to move away from hydraulic and pneumatics, servos are quickly becoming the new standard for actuating mold movements. Our Altanium Servo Control technology has been tailor made for the molding industry. This dependable and flexible approach to controlling many different aspects of the mold provides users a solution that they can trust. Based on the Altanium Matrix2 platform, Altanium Servo Contol is the first fully integrated servo and temperature controller on the market that is globally supported from start-up to production.

### **Complete Control and Support**

When we looked at how a next generation controller should perform, we didn't just improve the existing platform, we looked past that technology and designed a controller that would leap ahead to a whole new level in the industry. A system that was extremely reliable and could also provide superior, high precision control that includes:

- Any combination of linear and rotary actuation for up to 6 axes
- Stand alone or integrated servo control functionality that can be combined with up to 255 zones of temperature and UltraSync-E control. All of this control is accessible from a single operator interface
- Industry's largest full color touch screen
  interface
- Global on-site start-up support
   available
- Support for many common brands of motors and actuators including Baumueller and Exlar
- High precision motion control with multi-step motion profiling and absolute position feedback
- Standard and user defined signal interface to the machine



### Altanium Servo Control Operator Interface Screens

#### Servo Home

- Overview of all axes
- Axis grouping for easy parameter changes and manual operations
- Access to all Servo Control screens
- View status, force and positions per axis
- Dynamic axis position indicators
- Manual motion operations: indexing, home position, calibrate
- Two-speed manual jogging

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# Axis Setup Add cust

- Add custom names to individual axes, positions and I/O signals
- User configurable digital I/O for indexing and interlock signals from injection molding machine
- Position and force warning and alarm settings

#### **Servo Permissions**

- Define various actuation permissions
- · Interlocks with other axes or signals
- Select trigger or axis position for motion start

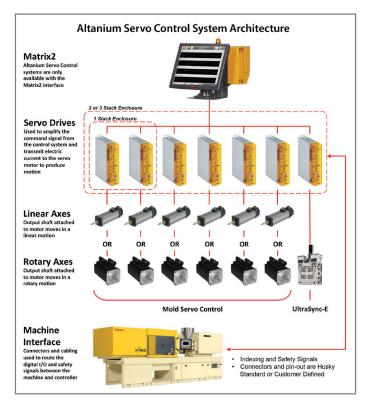
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#### **Motion Profiles and Graphs**

- Define target positions
- Up to four indexed moves per axis
- Four profile steps per indexed move
- Speed and acceleration per step
- · Force limits and delay timers
- Speed and force curves per axis
- Speed and force limits per axis
- View time or position per indexed motion
- Peak force per indexed motion
- Discrete curve details







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