Altanium Delta3™ provides support for up to 128 zones, features a large, full color, interactive touchscreen and has a broad range of features. Delta3 is ideally suited for applications from 24 to 96 cavities, for any market. Utilizing Active Reasoning Technology (ART) and the same integrated control card set as all Altanium™ controllers, Delta3 provides accurate, repeatable control on a flexible, reliable platform that is cost effective and easy to maintain.

Benefits
- 2 to 128 zones of control
- Simple and intuitive operation with full color touchscreen
- Remote monitoring and network data transfer
- Process trend graph and automated mold diagnostics
- Four user definable digital I/O interlocks included as standard
- Historical event auditing
- Plastic leak detection
- Interchangeable cards and interfaces across the entire product line
- Active Reasoning Technology (ART)
- Multi-mold set-up storage
- USB support for importing and exporting data
- Password enabled security
- Multi-language support

Delta3 employs a new, Smartphone inspired interface design that greatly enhances usability by minimizing the navigation layers that menu driven systems require—to ensure any screen is no more than a button press away. This, coupled with greater zone data configurability, better auditing of user interactions, increased connectivity and enhanced troubleshooting tools, makes Delta3 the right choice to meet any molder’s demanding requirements.
Simpler and easier to use
Delta3 is equipped with a variety of enhanced features to improve operational efficiency. An improved, highly intuitive navigation method coupled with a large, full color touchscreen shortens the learning curve for new users and ensures fast and consistent start-ups. Automatic storage and recall of set-ups ensure the same processing parameters are used for a mold without operator intervention. Multi-lingual support increases user adoption while historical event auditing and enhanced process monitoring enables faster, more accurate troubleshooting.

Highly intelligent feature set
With its intelligent feature set, Delta3 contributes to faster issue resolution with the ability to identify blown fuses on a card and capture process data in real-time or recall it historically. Enhanced diagnostic features enable issues to be resolved in the mold using charts that plot temperature rise over time and calculate the thermal isolation between zones. Integrated digital interlocks with the injection molding machine prevent damage to the mold and plastic leak detection decreases downtime.

Reliable and economical to maintain
Having one control card for all Altanium models, including Neo2™, Delta3 and Matrix™, maximizes interchangeability and reduces the number of parts to stock and maintain. The integrated control card design maximizes system reliability by minimizing discrete connections and components. Altanium control cards are also simple and inexpensive to upgrade, contributing to lower operating costs while allowing for greater flexibility to grow with changing production needs.

Active Reasoning Technology (ART) for faster, more consistent production cycles
Delta3, like all Altanium controllers, use ART, which provides optimized control for greater shot-to-shot and cavity-to-cavity consistency and repeatability. ART delivers tighter control and minimized variability through best-in-class power output delivery, fully isolated thermocouple inputs and industry-leading thermocouple sample rates that ensure the integrity of temperature readings.

Standard Features
- Individually adjustable alarm/abort limits per zone
- Celsius or Fahrenheit operation
- Manual stand-by of entire mold or single zones
- Manual boost of entire mold or single zones
- Automatic manual control
- Detect open, pinched or reversed thermocouples
- Selectable zero cross/phase angle power output control per zone
- Audible and visual alarm indicators
- Automatic system shutdown on failure
- Detection of blown fuse or heater
- Manual slaving operation
- Uni-start mold start-up
- Automatic slaving of failed thermocouple
- Soft rewire of a mis-wired mold
- Ground fault and wet heater bake out detection
- Print directly to file
- Process trend and history charts
- Event history log

Optional Features
- Integration with Shotscope™ NX process monitoring system
- Remote monitoring dashboard application