



Altanium® Neo5™ Compact

Altanium® Neo5™ compact is ideal for molders who want a highly accurate and precise hot runner temperature control solution for low to medium cavity molds at a budget-friendly price.

With its rich feature set and compact design, Neo5™ is well suited for any molding environment yet addresses the need for simplicity by incorporating Basic and Advanced Operation modes. This functionality tailors the Neo5's substantial feature set to the operator's needs, so they are only using what is necessary to perform their job. Integrating Neo5™ into your molding process will ensure optimal temperature control within one of the industry's smallest footprints and a powerful yet simple user interface that reduces the learning curve, resulting in lower training costs and more confident, reliable operators.



Configurations	Bay	Height (H)	Width (W)	Depth (D)
Table Top Configuration 	1 Bay	407mm/16"	305mm/12"	331mm/13"
	2 Bay	635mm/25"	305mm/12"	331mm/13"
With Mobile Stand 	1 Bay	1270mm/50"	426mm/17"	584mm/23"
	2 Bay	1346mm/53"	426mm/17"	584mm/23"

Features

Control for up to 48 zones	Configurable for up to 48 zones, the controller can be applied to different molds.
Customizable Basic and Advanced modes	Fully configurable Basic and Advanced modes that can be assigned to individual operators, so they are only using features and functions that are necessary to perform their job.
Process monitoring and data collection	Monitor all zone data and automatically write process variables as individual CSV files to a network file share based on a user definable frequency for a permanent record of the control process.
Small footprint	The compact design uses a minimal amount of area, freeing up valuable space in and around the molding cell.
Digital interface with IMM	Closed-loop digital interlocks with the IMM protect the molding process by reducing the need for operator-dependent actions, mitigating the risk of mold damage and resin degradation.
Multi-language support	Instant access to 11 languages so that the controller is easily adopted by operators regardless of the region it is operating in.
Powerful diagnostic tools	Automatically test all heaters, sensors and wiring in the mold to quickly identify issues or validate molds before running production.
Role based security profiles	Requires a user name and password to log into and use the system. User permissions can be assigned by a specific role to better control who can change process critical process parameters.
Mold setup storage and recall	Save zone settings by mold name and recall them with the touch of a button, ensuring the associated mold is always using the correct processing parameters.

Option

Mobile Stand	Includes a stand with casters and integrated cable storage compartment
Remote Display	Includes 7.6m/25ft field cables for mounting a freestanding configuration of the touch monitor and computer in a remote location
Remote Touch Monitor	Includes 10m/33ft field cables for mounting only the integrated touch monitor in a remote location
Digital I/O	Includes 4 inputs and 4 outputs with two 7.6m/25ft field cables (Flying leads on field end)

Technical Specifications

Operator Interface	Integrated Neo5™ 10.1" HD Color Touch Monitor
Configurations	1 Bay for up to 6 control cards and 2 bays for up to 12 control cards
Supported card types	HL-Series (4z @ 5A, 2z @ 16A, 1z @ 30A), H-Series (4z @ 5A, 2z @ 16A, 1z @ 30A)
Supply voltage	1-PH + Earth (3 wire) 200-240 VAC 3-PH + Earth (4 wire) 200-240 VAC 3-PH + N + Earth (5 wire) 380-415 VAC Other voltages require an input supply transformer
Heater Outputs	All zones rated at nominally 240 VAC (other voltages optional), 16 Amps per zone standard (5 or 30 Amps optional), Short circuit protection for each zone (both legs fused)
Alarms	Open Circuit Heater; Output Fuse State; High and Low Temperature; Shorted for Reversed Thermocouple; Ground Fault

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