



## ***State-of-the-Art Hot Runner Temperature Controller***



### **The Cobra TOUCH System Components Available Includes:**

- ▶ Easy to Read Touch Screen
- ▶ Optional Remote Mount available for Screen
- ▶ Small Footprint, Compact Mainframes
- ▶ Cables, Heater Power and Thermocouple
- ▶ Wiring Junction Boxes
- ▶ High Quality Versatile Cart and Transformer
- ▶ Accessories



## Cobra TOUCH Hot Runner Module

### Display Screen Standard Features and Custom Mounting Options



Part Number	Description
COBRA-PLC-15A-12Z	Cobra Touch 12 Zone Controller
COBRA-PLC-15A-24Z	Cobra Touch 24 Zone Controller
COBRA-PLC-15A-36Z	Cobra Touch 36 Zone Controller
COBRA-PLC-15A-48Z	Cobra Touch 48 Zone Controller
COBRA-PLC-15A-60Z	Cobra Touch 60 Zone Controller
COBRA-7-OP-SCREEN	7" Operator Touch Screen
COBRA-10-OP-SCREEN	10" Operator Touch Screen

Controller Dimensions	
12 Zone	12.6" x 15" x 19.2"
24 Zone	12.6" x 15" x 28.9"
36 Zone	14.6" x 21.7" x 33.6"
48 Zone	17.2" x 21.7" x 35.9"
60 Zone	17.2" x 21.7" x 48.4"



Equipped with sturdy built-in handles and wheels



**Cobra TOUCH Hot Runner Module**  
**High-End Features and Performance at a Budget Price**



- ▶ Phase Angle Fired Output Offers Enhanced Heater and Fuse Life
- ▶ Adjustable Soft-Start Protects Manifolds, Less Down Time
- ▶ Four Operating Modes: Auto Mode (PID), Enhanced Auto Mode (Fuzzy PID), Manual and Standby
- ▶ Easy to Read Display Touch Display
  - ▷ Independent Process Temperature & Set-Point
  - ▷ Load Current Amps
  - ▷ Percentage of Output
  - ▷ Cold Junction
- ▶ Adaptive "Full Time" Auto-Tune, Ability to Manage Mass of Any Mold
- ▶ Rugged Construction
  - ▷ Anti-Vibration Mounting of Semiconductor
  - ▷ Thru-Panel On/Off Circuit Breaker Switch
  - ▷ Highest Quality Electronics



## Cobra TOUCH Hot Runner Screen

### Display Screen Standard Features and Custom Mounting Options



**Standard 7" Screen with units under 48 zones,  
48 zones and higher utilize a 10" Screen**



#### **Standard Mount**

Equipped with smooth 45° tilting action or can completely flush with the unit.



#### **Optional Mount**

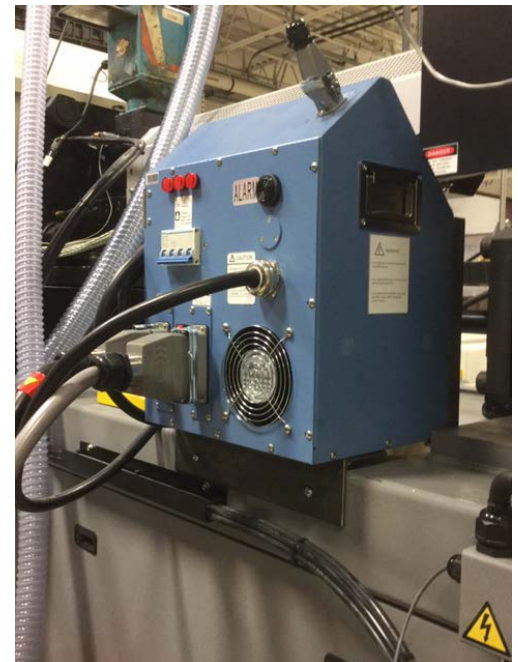
Screen can be remotely mounted in convenient location for the operator.







## Cobra TOUCH Hot Runner Screen Optional Mount Example of Possible Placement





## Cobra TOUCH Hot Runner Cables

Thermocouples and Heater Power Cables




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### Cobra 12 Zone Thermocouple Cables

Heavy duty, well made with high quality interconnects on each end.



Length	Part Number
10'	COBRA-TC-12Z-10
12'	COBRA-TC-12Z-12
15'	COBRA-TC-12Z-15
20'	COBRA-TC-12Z-20
25'	COBRA-TC-12Z-25
30'	COBRA-TC-12Z-30

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### Cobra 12 Zone Heater Power Cables

Heavy duty, well made with high quality interconnects on each end.



Length	Part Number
10'	COBRA-P-12Z-10
12'	COBRA-P-12Z-12
15'	COBRA-P-12Z-15
20'	COBRA-P-12Z-20
25'	COBRA-P-12Z-25
30'	COBRA-P-12Z-30





## Standard Features of the COBRA TOUCH'S Back Panel



Performance Specifications	
Temperature Unit	°C / °F
Ambient Temperature	32 °F - 131°F (0 °C - 55 °C)
Relative Humidity	10% - 95%
Delivery Temperature	-40 °F - 158 °F (-40 °C - 70 °C)
T/C Type	J/K
Temperature Control Scope	113 °F- 1022°F (45 °C - 550 °C)
Temperature Test Precision	+1%
Repeat Temperature Measure Precision	+0.1%
Temperature Stable Precision	+0.5%
T/C Cooling Compensation	Dynamic Tracking
Noise Rating in Common Mode	>100DB
Sample Frequency	10Hz (100ms)
One Load Point	15A
F1, F2, F3, F4	250V-15A (Special Fuse)
Electrical Power Specifications	
Input Voltage	AC185V-245V
Frequency	50/60HZ

All units are wired 240VAC, 3 Phase and have three red phase indicator lights.

### Amp Ratings:

- ▶ 12 zone unit breaker is rated at 60AMPS, 3 Phase, 240VAC
- ▶ 24 zone unit breaker is rated at 100AMPS, 3 Phase, 240VAC
- ▶ 48 zone unit breaker is rated at 100AMPS 3 Phase, 240VAC

All units pre-wired with 10 foot power cable

“DME” Compatible thermocouple and power connectors, only uses 12 zone type cables.



## Cobra TOUCH Hot Runner Cart

### Optional Cart compatible with all System Setups

Handling convenience for Cobra TOUCH, Transformer, Cables and Disconnect



Part Number	Description
COBRA-CART	Industrial Heavy Duty Portable Cart
COBRA-TR-9KVA-CART	9KVA Trans/Cart/Disc/Wired
COBRA-TR-15KVA-CART	15KVA Trans/Cart/Disc/Wired
COBRA-TR-30KVA-CART	30KVA Trans/Cart/Disc/Wired
COBRA-TR-45KVA-CART	45KVA Trans/Cart/Disc/Wired

## Also see the Cobra XLT-15 Hot Runner



**Cobra Injection Molding Temperature Control Systems**  
Improve process and reliability of your injection molding process.

Cobra XLT-15 Series Module is one of the most technically advanced temperature controls available, using state-of-the-art microprocessor-based circuitry to perform all required PID functions. Units have built-in diagnostics and are fully self-tuning.

#### The Cobra System Components Available Include:

- ▶ Mainframes
- ▶ State-of-the-art Temperature Control Modules
- ▶ Cables—Heater Power and Thermocouple
- ▶ Wiring Junction Boxes
- ▶ Input Connectors
- ▶ High Quality Mobile Cart and Transformer
- ▶ Accessories



Cobra XLT-15 Hot Runner Module

Performance Specifications	
Control Mode	Auto & Manual
Transmit temp:	-40°F to 158°F (-40°C to 70°C)
Temperature Range	50°C-537°C
Control Accuracy	1 ± 0.3% of span
Temperature Stability	±0.5%
Compensated Manual Control	Yes
Thermocouple Type	J or K
Advance diagnostics Indicators	Yes
Temperature Units	°C or °F
Temp Control Range	113 °F - 1022 °F (48°C to 550°C)
Repeat Test Precision	±0.1%
Calibration Accuracy	0.1% of span
T/C Cold Junction Compensation	Dynamic Tracking
Point Load	15A, 3500W/220V or 1650W/110V
Relative Humidity	10%-95%
Cycle Time	200ms
Temperature Reset	Yes
Ramp Start TM(RS)	Yes
RS Duration	10 minutes
Rs Override Temperature	1% of span
Operational Mode Priority	OFF MODE
Electrical Power Specifications	
Input Voltage	AC185V-245V
Frequency	50/60HZ
DC Power Supplies	No
Module Power Usage	No

