



# VISIONS 3000 QUICK START GUIDE




## Change Zone Output Power

	In RUN, MONITOR or DATABASE screen, press the EDIT ZONE hotkey to bring up Set Zone Power dialog box. Enter Zone number and then the output power percentage
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## Link A Zone To Another Zone

	In RUN, MONITOR or DATABASE screen, repeatedly press EDIT ZONE hotkey to bring up "Link Zones Together" dialog box. Enter zone number which you wish to link then number of the zone to which you wish to link to.
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## Turn Off Zone

	In RUN, MONITOR or DATABASE screen, press the EDIT ZONE hotkey and enter the number of the zone you wish to turn off and enter "0" for the value.
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## Change Temperature Of Group Of Zones

	In RUN, MONITOR or DATABASE screen, repeatedly press the GLOBAL hotkey to bring up the "Set Global Temperature" dialog box. Enter the number of the start and end of the block of zones you wish to change, then enter the new temperature
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## Change Output Power For A Range Of Zones

	In RUN, MONITOR or DATABASE screen, repeatedly press the GLOBAL hotkey to bring up the "Set Global Power" dialog box. Enter the number for the start and end of the block of zones you wish to change, then enter the new output power
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## Change To Graph Mode

	In RUN, STOP or MONIOTR screen, press SETUP hotkey and enter any password into the Password dialog box. From the Setup dialog box enter "12" for Graph Mode.
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## Increment Zone Temperatures

	In RUN, MONITOR or DATABASE screen, repeatedly press the GLOBAL hotkey to bring up the "Set Global Temperature" dialog box. Press the GLOBAL INC hotkey in the dialog box, enter start and end numbers of the block of zones you wish to change, then enter the temperature value you wish to increase.
	


## Decrement Zone Temperatures

	In RUN, MONITOR or DATABASE screen, repeatedly press the GLOBAL hotkey to bring up the "Set Global Temperature" dialog box. Press the GLOBAL DEC hotkey in the dialog box, enter the start and end numbers for the block of zones you wish to change, then enter the temperature value you wish to decrease.
	



## Apply Boost

	In RUN screen, press BOOST hotkey to activate boost mode. Note that boost mode only affects the cavity zones.
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## Activate Standby

	In RUN screen, press STANDBY hotkey to activate standby mode. Note that standby mode applies to all zones.
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## Save A Toolset

	In RUN, MONITOR or STOP screen, press SETUP hotkey and enter a valid password into the Password dialog box—the Setup hotkey will then change to show access. From the Setup dialog box enter "14" to enable saving of the current operational data as either a new toolset or as new data for an existing toolset.
	



## Load A Toolset

	In RUN, MONITRO or STOP screen, press SETUP hotkey and enter any password into the password dialog box. From the Setup dialog box, enter "13" to enable loading on a new toolset. Dialog box will warn if an existing toolset will be overwritten.
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## Change between "°F" and "°C"

	In RUN, MONITOR or STOP screen, press setup hotkey and enter a valid Password into the password dialog box—the Setup hotkey will change to show access. In the Setup parameter dialog box, enter "49" to change from degrees "F" to "C" or from "C" to "F".
	



## Change between type "J" and "K" T/C

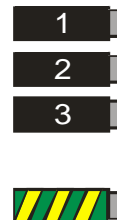
	In RUN, MONITOR or STOP screen, press Setup hotkey and enter a valid password into the password dialog box—The Setup hotkey will change to show access in the Setup parameter dialog box, enter "47" to change between type "J:" or "K" thermocouples.
	

## Temperature Limits

	In RUN, MONITOR or STOP screen, press Setup hotkey and enter a valid password into the password dialog box—The Setup hotkey will change to show access in the Setup parameter dialog box, enter "4" to change the maximum setpoint limit for the cavity zones. Enter "9" to change maximum setpoint limit for manifold zones..
	

## Power Limits

	In RUN, MONITOR or STOP screen, press Setup hotkey and enter a valid password into the password dialog box—The Setup hotkey will change to show access in the Setup parameter dialog box, enter "3" to change the maximum power limit for the cavity zones. Enter "8" to change maximum setpoint limit for manifold zones..
	



## US 4-Wire Wiring



### VISIONS 3000

3 Phase Power Cord Wiring For 4 Wire 'Delta' Systems.



Note: The phases are wired using numbers 1-3. With ground being the 4<sup>th</sup> wire.

**CAUTION: Shut-off & Lock-out power before working on any electrical devices**



## Change The Time

	In RUN, MONITOR or STOP screen, press Setup hotkey and enter a valid password into the password dialog box—The Setup hotkey will change to show access in the Setup parameter dialog box, enter "20" to change the time
	

## Change Screen Mode

	In RUN, MONITOR or STOP screen, press Setup hotkey and enter a valid password into the password dialog box—The Setup hotkey will change to show access in the Setup parameter dialog box, enter "23" to change screen mode. 0 = display normal mode. 1 = high-density mode and 2 = low density mode.
	

## Change Passwords

	In STOP or MAIN screen, press Setup hotkey. When in Setup dialog box entering "11" enables you to change the current access level by entering a new numeric password. Press enter key to log the password.
	

### POWER CONNECTION:

With the VISIONS 3000 turned off, connect the input power cord to a suitably rated power supply using the wiring details contained in the diagram.

### TOOL CONNECTION:

Connect the mold power & thermocouple cables to both the mold and VISIONS 3000. Ensure the cables are undamaged and connected to the appropriate connectors.

**NOTE:** Swapping power & thermocouple cables can lead to tool and controller damage.

### POWER ON:

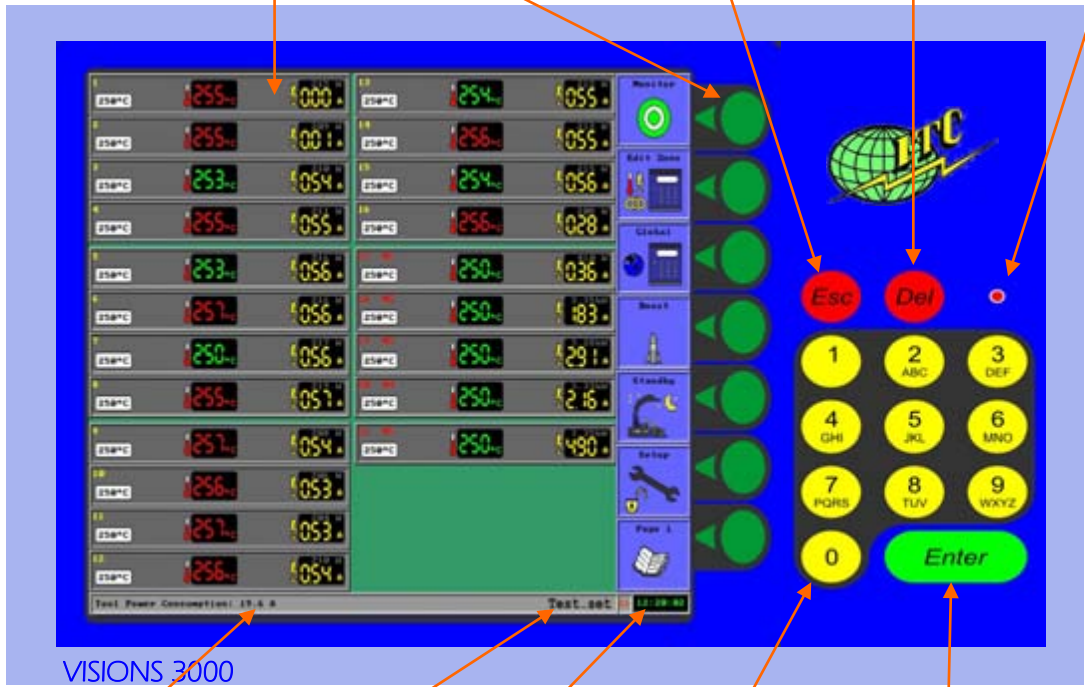
Switch on the VISIONS 3000 using the Isolator mounted on the front door. After approximately 30 seconds the log screen will appear.

### CAUTION:

**Electrical connections must only be made by qualified technicians. To prevent electrical shock from exposed current carrying components, Only Female inserts must be used on connectors which output power to another device, while Male inserts must be used on connectors which receive power from another device.**

# TOP BOX

- Main Screen
- Hotkeys Use to select desired function
- Esc(ape) Key Use to cancel current operation
- Del(ete) Key Use to delete entered value
- Power On Light



VISIONS 3000

- Power Reading\* Shows total power consumption
- Active Tool-set\*
- Real Time Clock
- Numeric Keypad Use to enter value for parameter
- Enter Key Use to select entered value









**STOP MODE SCREEN**

- Run** (Green power button icon): Press to enter RUN mode and start control of the mold tool
- Diagnose** (Magnifying glass icon): This hotkey selects the tool diagnosis function.
- Help** (Question mark icon): Selects the help screens.
- Database** (Database icon): Enter the Database area where it is possible to select, delete and load toolsets.
- Soft Start** (Soft start icon): Select this function to introduce reduced power to the tool for a predefined period of time. Use SETUP to define Soft Start parameters.
- Setup** (Wrench icon): Use to bring up dialogue boxes that enable you to configure the system. Note that Setup access is password protected.

**RUN MODE SCREEN**

- Stop** (Red target icon): Press once to cancel RUN mode and enter STOP mode. Press twice, quickly to stop control but remain in the RUN screen to view updated measured values.
- Edit Zone** (Edit zone icon): Select to bring up dialogue box that will allow editing of zone setpoint, output power or linked zone. Enter zero to turn zone off.
- Global** (Global icon): Select to bring up dialogue box that will allow editing of a defined group of zone setpoints, output powers of linked zones. Enter zero to turn zones off.
- Boost** (Boost icon): Press to temporarily boost the setpoints of the cavity zones. Use Setup to define Boost parameters.
- Standby** (Standby icon): Press to drop all zone setpoints until Standby is cancelled. Use Setup to define Standby parameters.
- Setup** (Wrench icon): Use to bring up dialogue boxes that enable you to configure the system. Note that Setup access is password protected.
- Page 1** (Page 1 icon): Pressing this hotkey will step through pages of zones. This will only work if the number of zones configured on the system exceeds a single screen.

<b>Start Control of Tool</b>  From the Start UP screen, press the RUN hotkey to enter RUN mode and start control of the tool. An automatic soft start, power ramp will be applied.		<b>Stop Control of Tool</b>  While in RUN mode, press STOP hotkey to stop control of the tool and return to the Start up (Stop) screen.		<b>Perform Tool Diagnosis</b>  In Stop screen, press the DIAGNOSE hotkey to enter tool diagnose section and perform a full tool validation.	
 If the Monitor function is ON, press MONITOR hotkey to enter Monitor mode, then press RUN hotkey to enter RUN mode. An automatic soft start power ramp will be applied.		 If Monitor function is ON, press the MONITOR hotkey to enter Monitor mode, then press STOP hotkey to stop control of the tool.		<b>Change Temperature Of Zone</b>  In RUN, MONITOR or DATABASE screen, press EDIT ZONE hotkey. In next dialogue box, enter the zone number and the new temperature.	

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