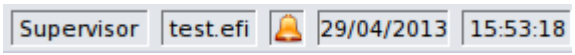
VISIONS 3000 LINUX 2.52

INITIAL SETUP

Initial Setup

You Must First Log In As The Supervisor 

This page covers most of the basic setup changes needed to get your VISIONS 3000 Rev 2.52 controller working. It is suitable for configuring a new controller or setting the controller up for a new tool.

If your controller has already been configured for a tool and the tool has been changed, or the controller has been moved to a different machine, it is a good idea to first save your current setup to the controller data base

 **Manage Zones**

Step 1: Set the number of cavities and manifold zones.

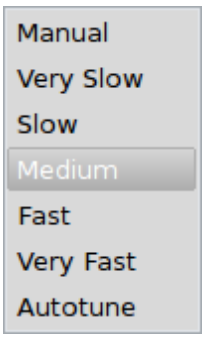
Step 2: Set the Cavity Settings

- **Cavity Power Limit -** 70% is the default.
- **Cavity Maximum Temperature -** The controller will trigger an alarm if this temperature is exceeded.
- **Cavity Stand-by Temperature** - This is the temperature of the cavities when the stand-by button is pressed
- **Minimum Cavity Setpoint.** Use this to prevent users from turning zones off completely, which can lead to cold spots in the tool. To deactivate this feature, enter zero

Step 3: Set the Manifold Settings

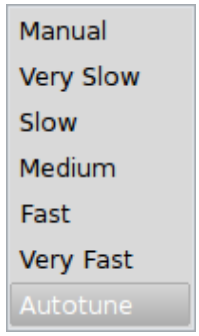
- **Manifold Power Limit -** 90% is the default.
- **Manifold Maximum Temperature -** The controller will trigger an alarm if this temperature is exceeded.
- **Manifold Standby Temperature -** This is the temperature of the manifolds when the standby button is pressed.
- **Manifold Pre-Heat -** This is off by default

 **Zone Setup**



Step 4: Cavity PID Settings
A good initial value is "Medium"

Step 5: Manifold PID Settings.
A good initial value is "Slow".
Once you get the tool into production, you can tune these settings in order to achieve better control.
Do this in conjunction with the graphs.



- If desired, you can select the "Auto tune" feature for the cavities or manifolds.
- Be aware however, that the “Auto tune” feature can delay the heating-up time, which is particularly noticeable when applied to manifolds.
- You cannot select the "Auto tune" option during production - the controller must be stopped before this as a selectable option.

General Setup

Step 6: Manifolds Before Cavities.
Enable or disable this setting appropriate to the tool and conduit wiring.

Step 7: Thermocouple Type.
Select J-Type (default) or K-Type as appropriate to the tool and conduit wiring.

Step 8: Temperature Units.
The controller works in Celsius, but can display temperatures in Fahrenheit.

- The controller is now ready.
- We recommend that you run the tool Diagnostics and save the results.
- You should give your zones some names.
- If you have water-zones fitted, you should configure them
- Additionally, you will want to set some alarm trigger levels and actions, once you have established stable production conditions.

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