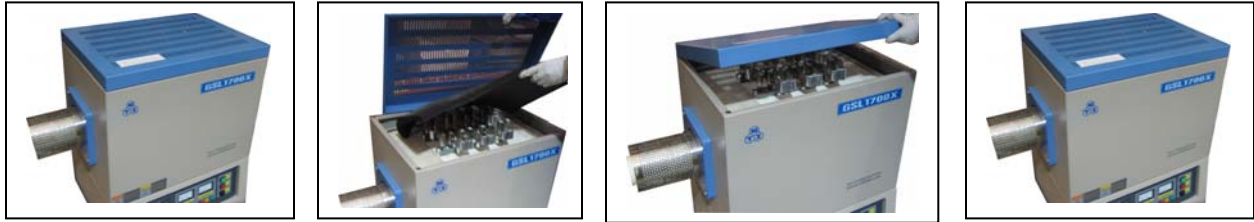


Instructions to run a Quick Test Program

MTI always do quality inspection and run a test program before shipping. We strongly recommend customer to do a quick test run after receiving the furnace to ensure no event happens in the shipping period:

Warning:

Please take out the shock absorption sponge in the top cover board before switch on power!!!



Power line connection:


You always ask your electrician to connect single phase 240V power line:

See labels on the power lines out of our furnace: Ground to ground, fire to fire to get single phase 208-240V AC power.

Quick Start:

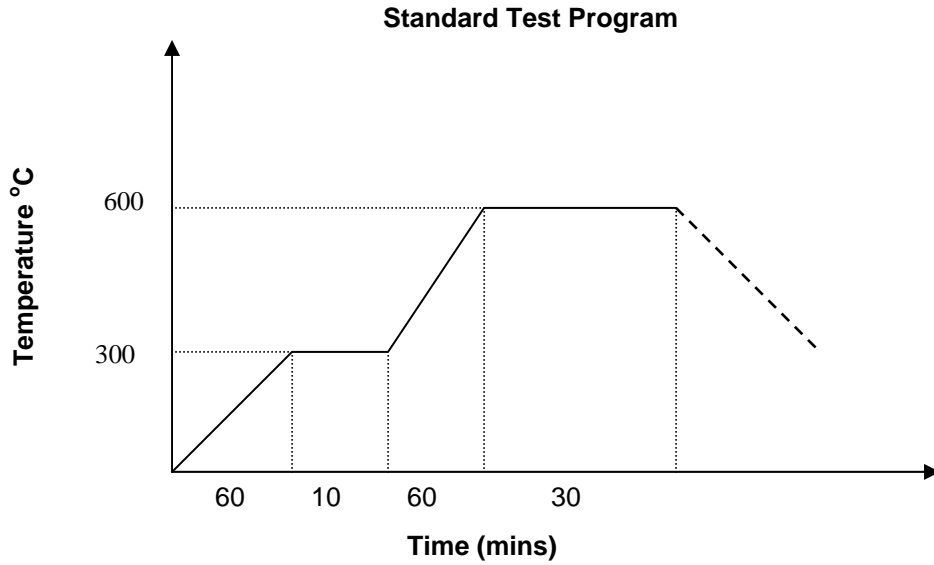
- Plug in power (Green Power indicator is On)
- Turn Power switch lock On, (Yudian 708P controller is On)



- Let 708P control display is at " starting state ", e.g PV panel shows temperature value , and SV dispalys " stop". If controller is no at the state, touch  key , 708P controller shall be back to "starting state "




- A preset standard test program is scheduled to run:



- Push green “ Turn On “ power switch button.



- Push Key  on the controller and hold for 2 seconds, SV panel shows “ Run”, now furnace is running automatically




Note 1:

If the heating element is MoSi2, OPL value will limit Max. output current when the temperature below 200 °C. Please select 16 first. If output current is too low or temp increases too low, please increase the value gradually. The most suitable value in the current meter is 120 – 140 A in initial heating stage.

Note 2:

In the case that you find temperature control is not stable during running, you shall use “**Auto-Tune**” function to achieve the best setting result. The procedure is as the following:

- Let furnace stay in a temperature that is the most important for you.
- Set Ctrl value to 2
- Let display return to “starting state “
- The front panel of controller will flash with letter “ AT”, which means controller is in “ Auto-Tune” state.
- After “Auto-Tune”, AT letter will disappear and controller will select all M5, P and t value automatically.
- You may repeatedly set “ Auto-tune “ 2-3 times to achieve the best result.
- After Auto-tune, it automatically changes Ctrl to 3.
- If you want to stop “Auto-tune” in the middle, Hold  key for two seconds, then front panel of controller will stop flashing with letter “ AT”, which means controller stop “ Auto-Tune” and Ctrl automatically go to 1.
- Set Ctrl to 3.
- If temperature is still not stable after Auto-tune, then you may adjust M5, P, and t value manually.

Note 3:

Never cool down too fast at high temperature to protect the tube to crack. Follow the program in the manual to cool down.