

# Prismatik CZ Sintering Oven Operating Instructions

## POWER REQUIREMENTS

GL6 Oven: 208/220 Volts, 30 Amps.

GL8 Oven: 208/220 Volts, 50 Amps.

## CONTROLLER BUTTON LEGEND



A/M



STOP



RUN/HOLD




ENTER/ACCEPT

## INSTRUCTIONS FOR USE

### Turning on the oven:

- 1). Ensure oven is plugged in.  
If properly plugged in, the electric fan and power indicators will be lit.
- 2). Turn the “Lock” switch clockwise.


### Running the program:


- 1). After turning on the oven, ensure the controller is ready to run the program. The “SV” should display “STOP”. Push and hold the  button for 3 seconds until the “SV” display = “RUN”.
- 2). Push the green “turn-on” button. Ensure this button is lit.



\*Note: Only 1 program is stored in the oven at any time.


### Holding/stopping the program and restarting the program:

- 1). If you wish to put a running program on hold, press and hold the  button for 3 seconds. The “SV” display will show “HOLD”. If you then press and hold the same button for 3 seconds, the program will continue and the “SV” display will show “RUN”.

- 2). If you wish to stop a program, press and hold the  button for 3 Seconds. The program will stop and the “SV” display will show “STOP”.

Programming the oven:

- 1). The “SV” display must show “STOP” in order to accept any programming entries.


- 2). Push the  button to begin the programming process.  
3). Input the temperature “C” value starting with C1. Always treat “C1” as the *Starting Temperature*.

Use the buttons  and  to increase or decrease the value.

- 4). Push the  button to accept the value.

- 5). Input the time “T” value needed to reach the next temperature value. Start with time value T1.

Use the buttons  and  to increase or decrease the value.

- 6). Push the  button to accept the value.

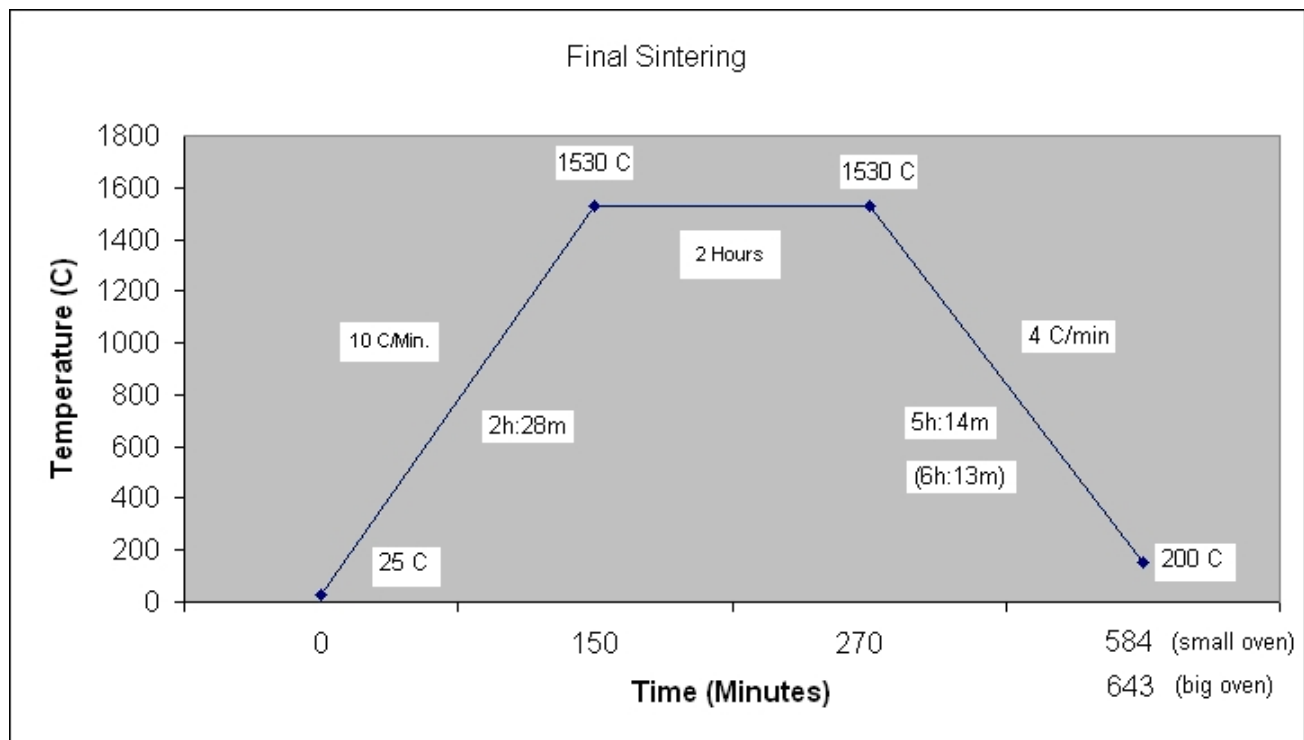
- 7). Repeat steps 1-6 until all desired values for “C” and “T” are inputted.



\*Note: To finish the program, a final “T” value of “-121” must be inputted. Wait 30 seconds after entering the final “T” value. The program will be committed to memory and the “SV” display will show “STOP”. You are now ready to run the program.

**RECOMMENDED PRISMATIK CZ FIRING SCHEDULES**

**Prismatik CZ Final Sintering Cycle**

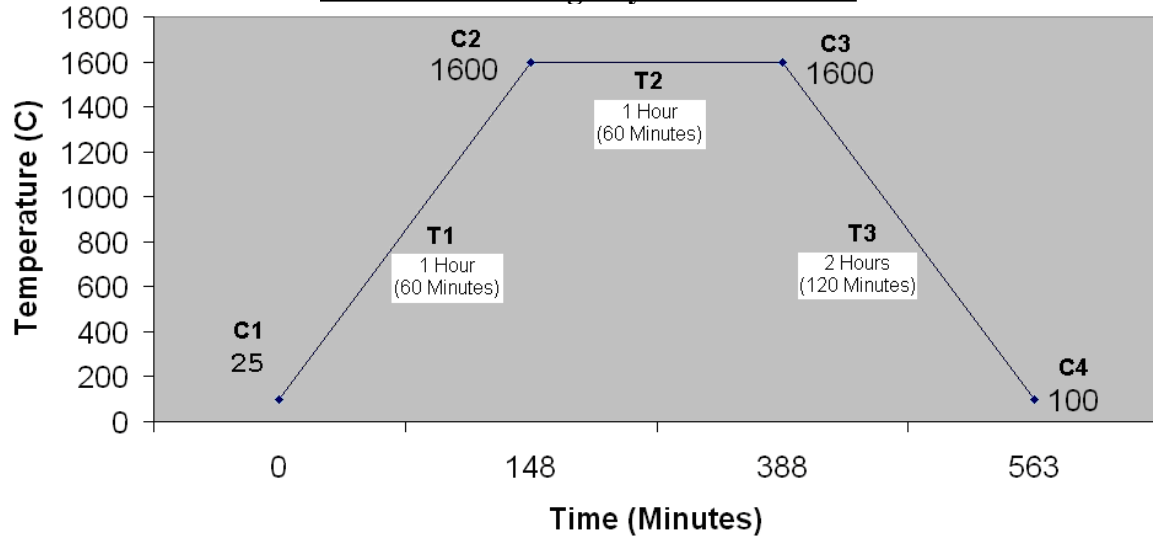


Schedule to input into oven:

C1 25	T1 150
C2 1530	T2 120
C3 1530	T3 90
C4 155	T4 -121

**RECOMMENDED PRISMATIK CZ FIRING SCHEDULES**

**Prismatik CZ Purge Cycle Information**



Schedule to input into oven:

C1 25	T1 60
C2 1600	T2 60
C3 1600	T3 120
C4 100	T4 -121