Super Speed Cycle (Total time = 90 minuites)

	1		7	
	Program	Rate/Minuite	Temp	Time
stage 1	Heating Ramp	60°C	900°C	
stage 3	Heat Ramp	33°C	1555° C	
stage 4	Hold/Heat Soak		1555° C	45min
stage 5	Cooling Ramp	65°C	800°C	

1

Transfer to **Zircom SPEED with Carbon tray** Firing programing calculate example

Step 1 900°C-20°C(room temp)=880°C

880÷60°C/min=14.6(15min)

Thus, **Step 1 900°C Time 00:15**

Step 2 1555°C-900°C=655°C

655÷33°C/min=19.84(20min)

Thus, **Step 2 1555°C Time 00:20**

Step 3 1555°C, Hold 45min

Thus, Step 3 1555°C Time 00:45

Step 4 1555°C-800°C=755°C Cooling time

755÷65°C/min=11.61(12min)

Thus, Step 4 800°C Time 00:12 Table position 3 (eg)

NOTE: Zircom SPEED has both type of trays, Ceramic and Carbon.

As a parameter, Above 5 hours sintering use for Ceraminc tray,

Under 5hours sintering use for Carbon tray.

KDF do not recommended Speed sintering for regular Zircom machine.

Only Zircom SPEED programing for Very Quick Cooling. Manual page 12

Caution: The quick firing stand and the muffle will be HOT.

Be sure use the tong and heat-resistant glove when placing the firing tray onto the quick firing stand.