

ZIRCOM HS / MASTER 3 COMBO WORKS 2025

Experience the fastest sintering and glazing available with the Zircom HS (High Speed) and Master 3 (Three Arms).

Complete the entire process in a mere 30 minutes!

With 15 minutes for sintering and only 15 minutes of rotation per arm for staining and glazing, this powerful combination optimizes your daily productivity and allows you to offer same-day crowns set up to your patients."

The Zircom HS utilizes a patented heating system, enabling rapid temperature ramping and efficient chamber cooling.

Designed for smaller-scale production (up to three single crowns or one three-unit bridge per tray), the Zircom HS achieves an impressive sintering time of only 15-17 minutes.

This breakthrough technology minimizes processing time, allowing for immediate transition to glazing and further steps. Eliminate overnight sintering (8 hours) and provide same-day crowns, scheduling the final appointment for the same day as the patient's initial visit.

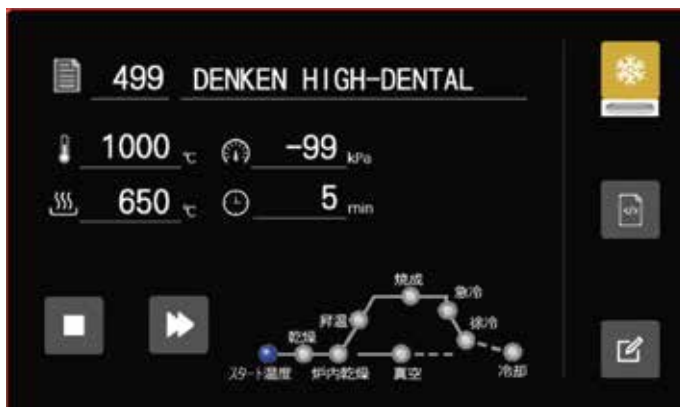
Maximize your productivity with the Zircom HS and Master 3 combination.

After the rapid sintering process, the Master 3 stains and glazes up to 18 units in just 150 minutes. This streamlined workflow saves you valuable time.

A demonstration of the Master 3's rotating action is shown below.



Zircom HS Specification	
Size	270W x 470D x 550H mm
Maximum Firing Temperature	1650° C
Firing Space	Φ 40 x 30H mm
Firing Capacity	Up to 3 bridges
Weight	Approximately 25 kg
Rated Voltage	AC200-240V 50/60Hz
Power	2.5 kVA
Heating Rate	300° C/min
Firing Time	Shortest 12 minutes (including cooling)
Cooling System	Air-cooled
Patent	Patent pending
Firing Table	Lifting type
Control Panel	LCD screen, button keys, free setting
Program	100 patterns, 20 steps, same operability as Zircom



Master 3 Specification	
Power Supply Voltage	AC100V ±10% 50/60Hz
Power Consumption	1100VA
External Dimensions:	450 (W) x 507 (H) x 400 (D) (excluding protrusions)
Main Body Weight	25kg
Operating Environment	
Temperature	10 ~ 40 °C
Humidity	30 ~ 90% (no condensation)
Altitude	max. 2000m
Pollution Degree	2
Overvoltage Category	II
Maximum Operating Temperature	
Temperature Sensor	1200 °C
JIS R Thermocouple	
Effective Furnace Inner Dimensions	φ 80 × 50 (h)mm
Temperature Control Method	PID control
Number of Programs	
Normal	490 types
Custom	10 types
	Identification by ceramic material possible
Display Panel	7-inch full-color LCD touch panel 800 × 480 dots
Buzzer Sound	4 levels (off, small, medium, large)
USB I/F	Equipped
Furnace Cooling Function	Equipped
Safety Devices and Mechanisms	Equipped

ZIRCOM HS AND MASTER 3 ROTATION WORKFLOW EXAMPLE (2 CYCLES)

	Zircon HS (min)		Master 3 (min)	Single Cr x3	Arm#	total min	Total finish teeth number	
Step 1	15		15	3	A	30	3	Fastest 3 unit/ 30min
Step 2	15		15	3	B	30	6	
Step 3	15		15	3	C	30	9	9 unit/90 min
Step 4	15		15	3	A	30	12	
Step 5	15		15	3	B	30	15	
Step 6	15		15	3	C	30	18	18 unit/ 180 min
Step 7	-		-	-	-		-	
Step 8	-		-	-	-		-	
Step 9	-		-	-	-		-	
Step 10		Cooling and Stain / Glaz						
Step 11								
Step 12	Important	<p>1. Every 15 minutes, 3 sintered teeth are produced. This advantage allows you to see the fastest results.</p> <p>The process doesn't require a 6- or 7-hour wait. You only wait 15 minutes for 3 units, and then you can proceed to the next step.</p> <p>For Dentist After 15 min Sintering , call patient on the dental chair and take shade and take shade and staining then insert Master 3 oven. 15min</p> <p>For Lab Technicians Rush , Redo cases you can prepare just 30 min!</p> <p>2. Each 15 min Sintered 3 teeth, in order to insert Arm A, B and C. Then After passes 15 min. Arm A tray has finished, at the same time, you can insert next sintered teeth to Arm A.</p> <p>For Lab Technicians You can complete all cases in a single day. This is because you don't have to wait for sintering overnight or for 7 hours. This method allows you to save half a day or more of your time.</p> <p>3. For Dentist If your patient wants "one-day" treatment, you can charge an extra fee for expedited care by using Zircom HS and Master 3 / Master Plus workflows.</p> <p>For Lab Technicians If the sintered results are unsatisfactory or fail after 7 hours, you will have to repeat the entire process from the beginning. On the other hand, with Zircom HS, results can be checked every 15 minutes. Therefore, you won't have to repeat the entire process. Additionally, if your doctor orders overnight work, you can prepare for next-day or same-day delivery.</p>						