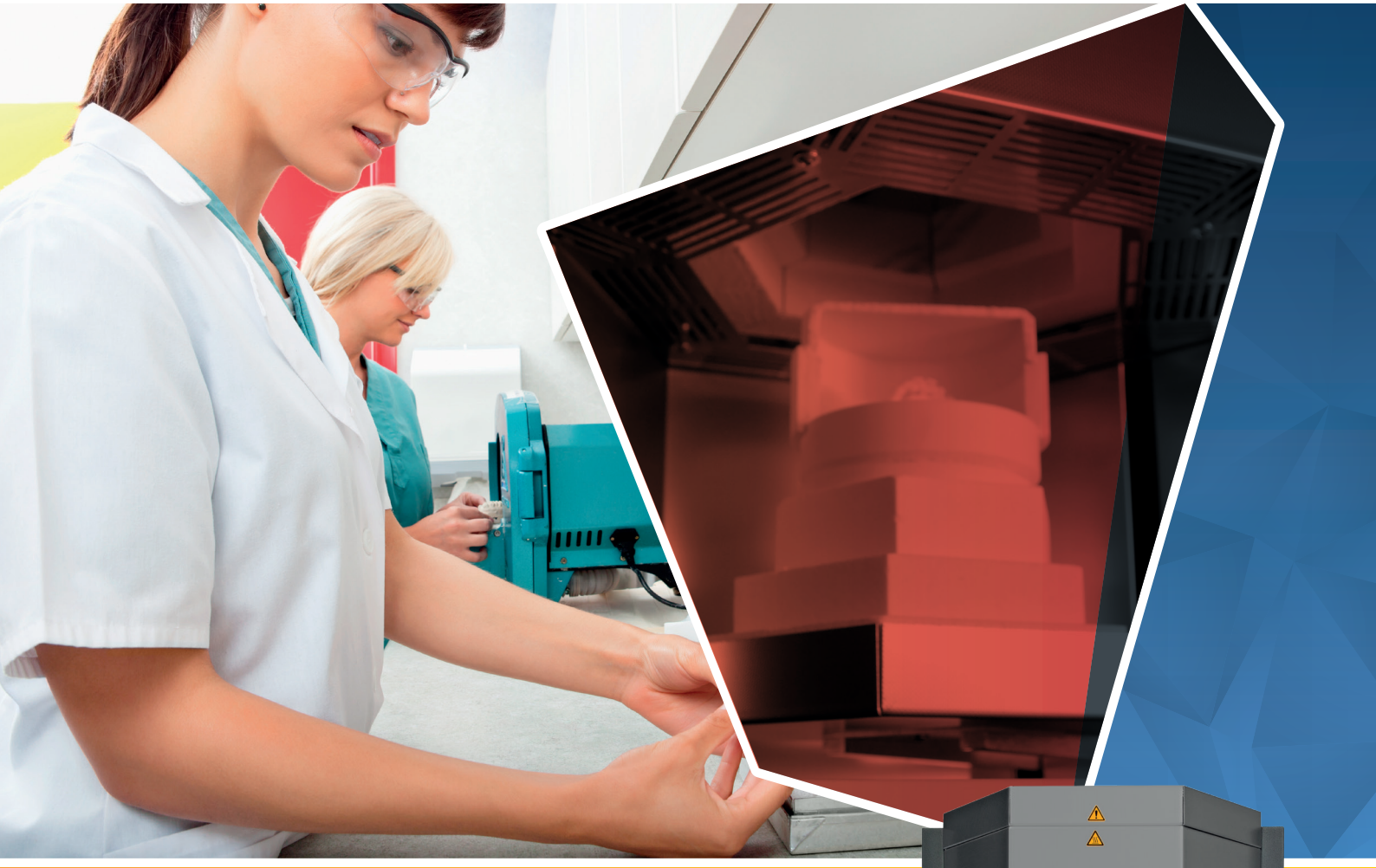
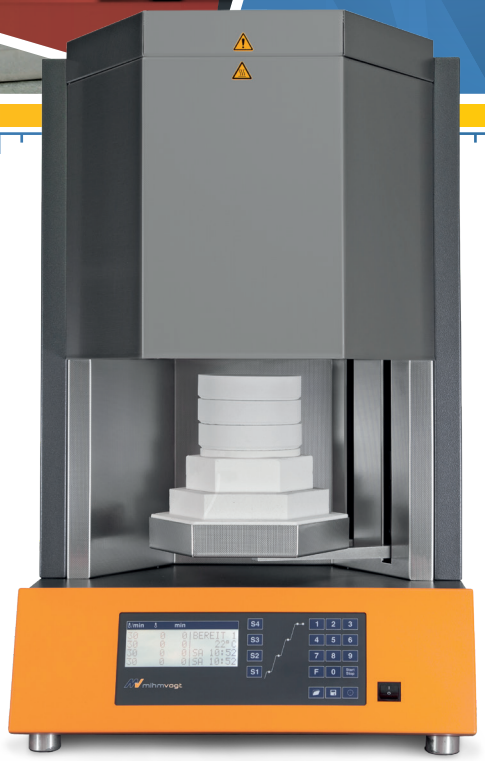
mihmvogt



HT-2/M/ZIRKON-120



MADE IN GERMANY

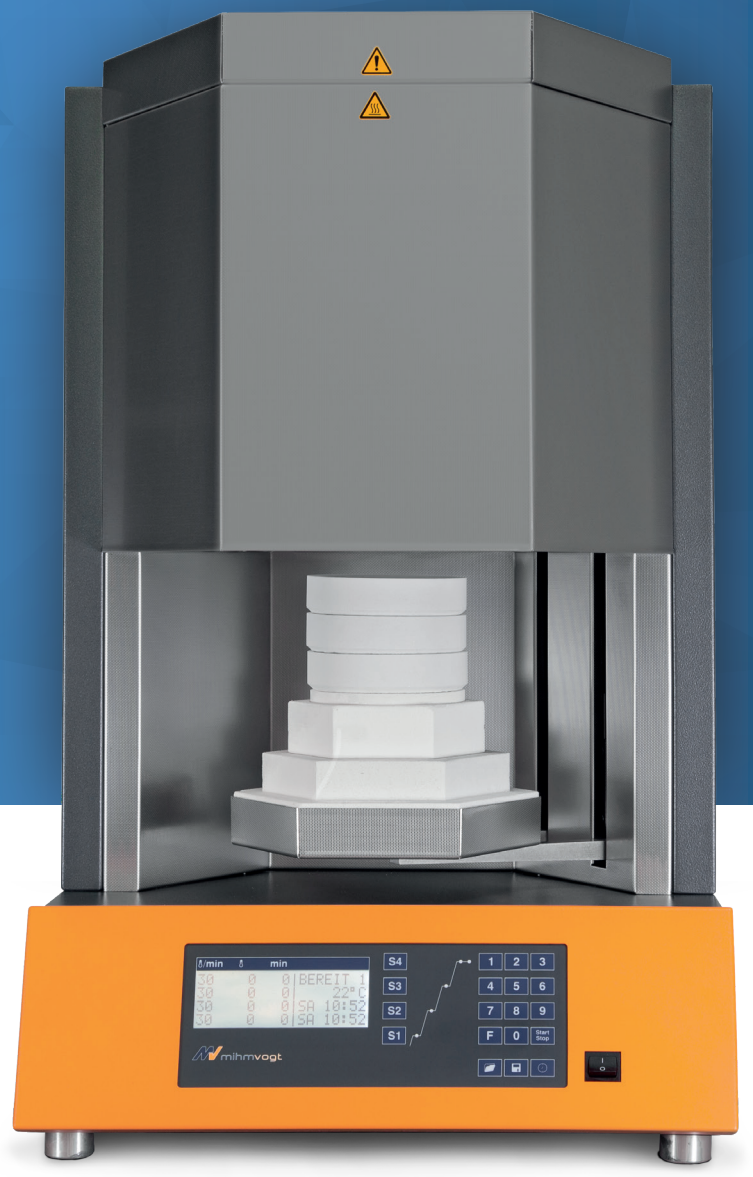
HT-2/M/ZIRKON-120

SPEED CLASSIC

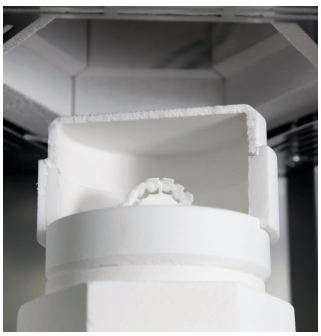
90 SINGLE CROWNS or SINTERING DISC

- **High purity molybdenum-disilicide heating elements PRO**
- **Maximum temperature 1650°C**
- **Heating-chamber capacity 3x Ø 120/30 mm**
- **Program control**
  - LCD-Display
  - 4 stages
  - 30 program capacity
- **Service programs**
  - A - Temperature control*
  - C - Purge heating chamber
  - E - Regenerate heating elements
- **Thermocouple PtRh-Pt, type S**
- **Temperature accuracy at 1500°C +/- 3 °C**
- **Timer function**

* only in conjunction with test-kit



RS-232 Interface allows you to record real time program data for analysis or compliance



Technical data	HT-2/M/ZIRKON-120
Power max.	3800 W
Voltage range; frequency	200 – 240 V; 50/60 Hz
Weight	74 kg
Dimensions W/D/H	500/560/820 mm

Technical data

HT-2/M/ZIRKON-120
9650

Details ✔ standard ✖ not compatible

Technical information		
Heating-chamber height	mm	102
Max. heating-chamber capacity	number of trays	3 x 120/30 mm
Heating system		
Process capability		SPEED CLASSIC
Max. temperature		1650°C
Heating elements	type	MoSi2
	number	6
Process times CLASSIC [1*]		
Max. programmable heating rate	°C/min	30
Shortest heating period to 1.500°C at 230V	min	49
Shortest cooling period to 300°C	min	67
Process duration (incl. holding time 30 min)	min (h)	146 (2,4)
Process times SPEED [1*]		
Max. programmable heating rate	°C/min	99
Shortest heating period to 1.500°C at 230V	min	27
Shortest cooling period to 750°C	min	19
Process duration (incl. holding time 30 min)	min (h)	76 (1,3)
Programm control		
7-segment LED		✖
4-lines LCD		✔
Number of programmable stages		4
Program capacity		30
	Number of fixed programs	✖
	Number of customizable programs	30
Special programs		
Drying		✔
Heating-up ventilated		✔
Service programs		
A-Temperature control [2*]		✔
C-Purge heating chamber		✔
E-Regenerate heating elements		✔
Thermocouple		
PtRh-Pt, type S		✔

Special functions	
Emergency cooling system	✖
RS 232 interface	✔
Door lift	✔
Shielding-gas supply	✖
Timer function	✔

Technical data		
Power max.	W	3800
Voltage range; frequency	V; Hz	200-240; 50/60
Weight	kg	74
Dimensions W/D/H	mm	500/560/820

[1*] Process values: Sintering temperature = 1500°C; holding time = 30min; 1 x sintering tray **[2*]** only in conjunction with test-kit

Scope of delivery

✔ standard
● optionally available
↻ optionally available, but with reservations
✖ not compatible

HT-2/M/ZIRKON-120
9650

Sintering tools	
96022 ERS Sintered corundum AL, 4-6mm; 200g	●
96023 ERS Sintering beads YTZ, 2.0mm; 200g	●
96024 ERS Sintering beads YTZ, 1.25mm; 280g	●
95023 ERS Sintering granulate YTZ; 200g	✔
7100002 ERS Sintering tray, 120/30mm***	✔
96020 ERS Sintering tray, 120/35mm; ventilated***	✖
96025 ERS Sintering tray lid, 120/4mm***	↻
7100003 ERS Sintering tray, intermediate ring 120/35mm***	●
7100006 ERS Sintering tray SPEED, 120/30mm; slotted	✔
96021 ERS Sintering tray SPEED, 120/30mm (kit)	●
96037 ERS Sintering base plate SPEED, 120/15mm	●
96038 ERS Sintering base plate SPEED, top ring 120/15mm	●
96026 ERS Sintering disc, 120/12mm***	↻
7400061 ERS Stacking disc	✔

Accessories	
96088 ERS Crucible tongs, 100-120mm	✔
96030 ERS Diamond whetstone; for sintering discs	●
96041 ERS Power cord EU, C19; 16A	✔
96042 ERS Power cord USA, C19; 16A	●
7200003 ERS Power cord GB, C19; 13A	●

***ATTENTION! Not suitable for SPEED sintering!

CONSISTENT.
RELIABLE.
PRECISE.

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Changes and errors excepted.
Pictures and figures similar.