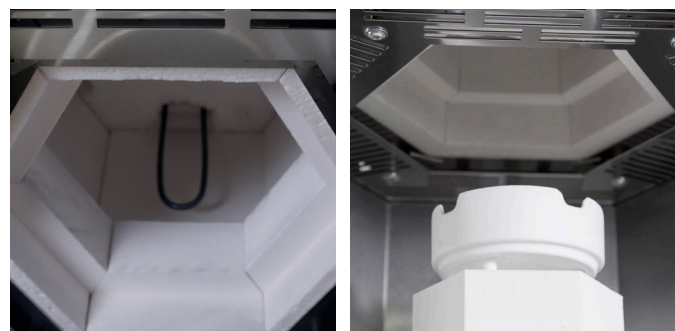
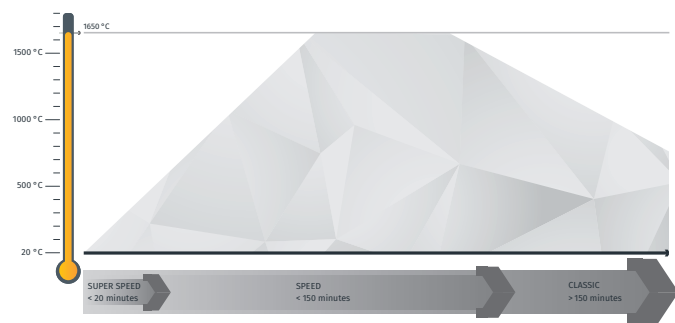
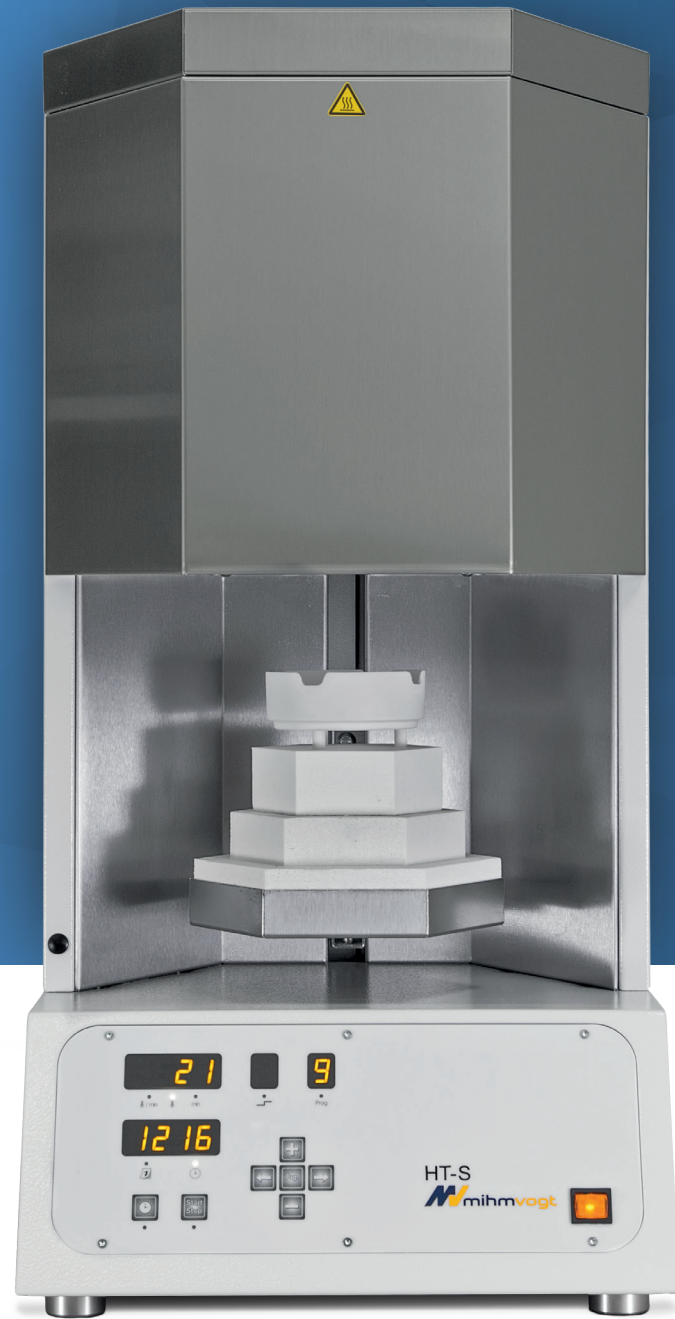


HT-S



20 SINGLE CROWNS

- High-quality molybdenum-disilicide heating elements CLASSIC
- Maximum temperature 1650°C
- Heating-chamber volume 1x Ø 100/30 mm
- Program control
 - 7-Segment LED
 - 4 steps
 - 9 program numbers
- Thermocouple PtRh-Pt, type S
- Temperature accuracy at 1500°C +/- 3 °C
- Over-night programming
- Buffering of emergency-cooling battery



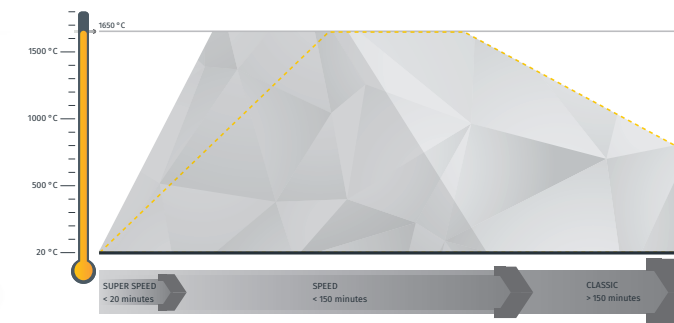
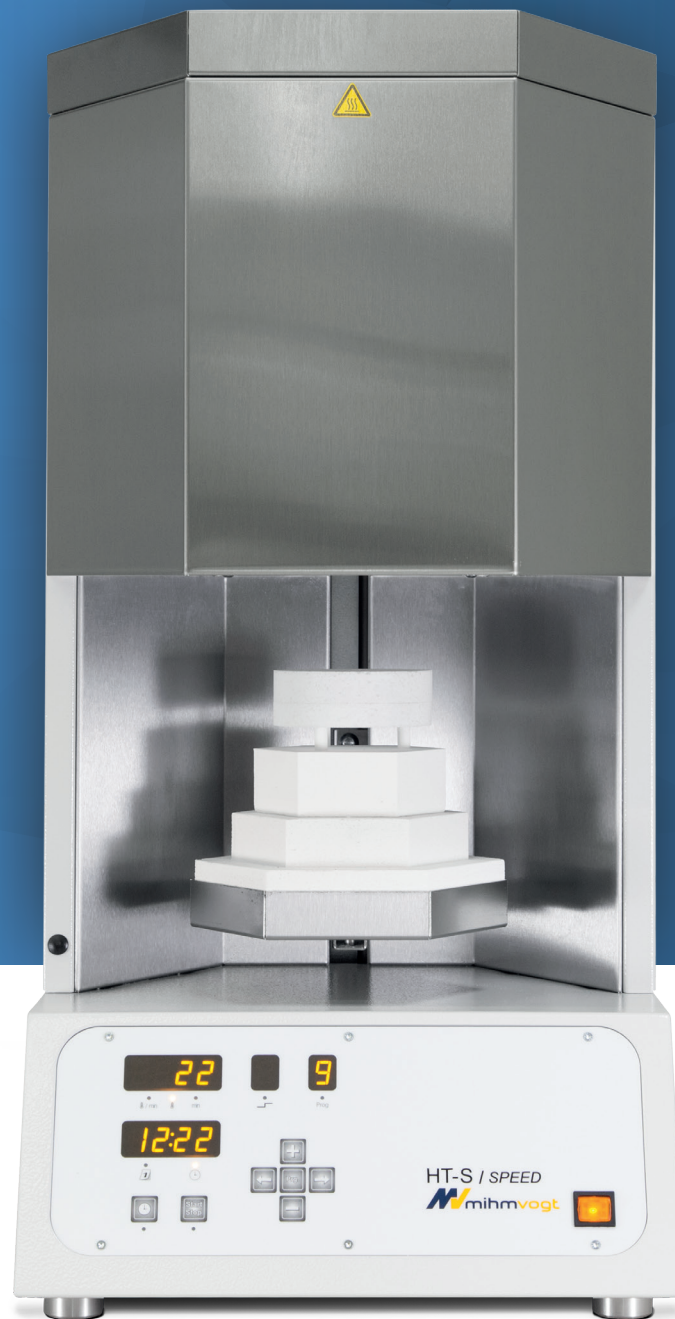
Technical Data	HT-S
Power max.	1720 W
Voltage range / frequency	200-240 V / 50-60 Hz
Weight	58 kg
Dimensions W/D/H	390/500/780 mm

HT-S SPEED



20 SINGLE CROWNS

- High-quality molybdenum-disilicide heating elements SPEED
- Maximum temperature 1650°C
- Heating-chamber volume 1x Ø 100/30 mm
- Program control
 - 7-Segment LED
 - 4 steps
 - 9 program numbers
- Thermocouple PtRh-Pt, type S
- Temperature accuracy at 1500°C +/- 3 °C
- Over-night programming
- Buffering of emergency-cooling battery



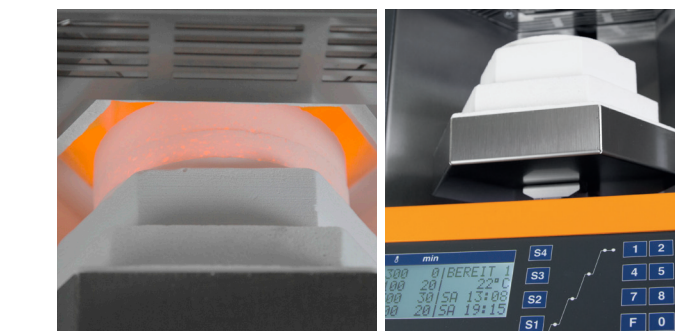
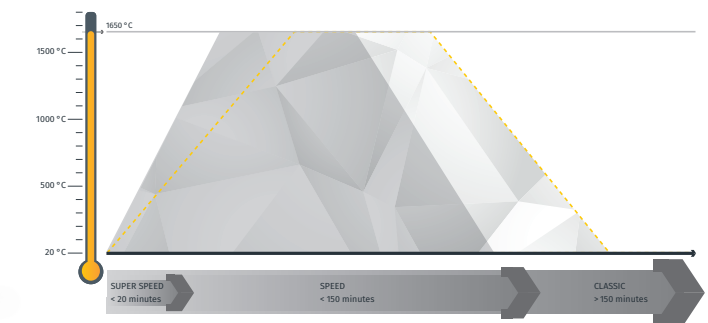
Technical Data	HT-S SPEED
Power max.	2000 W
Voltage range / frequency	220-240 V / 50-60 Hz
Weight	58 kg
Dimensions W/D/H	390/500/780 mm

HTS-2/M/ZIRKON-120



50-60 SINGLE CROWNS

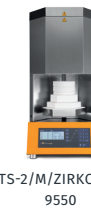
- High-quality molybdenum-disilicide heating elements PRO
- Maximum temperature 1650°C
- Heating-chamber volume 2x Ø 120/30 mm
- Program control
 - LCD-Display
 - 4 steps
 - 30 program numbers
 - Special functions
- Service programs
 - A - Temperature control*
 - C - Purge heating chamber
 - E - Regenerate heating elements
- Thermocouple PtRh-Pt, type S
- Temperature accuracy at 1500°C +/- 3 °C
- Over-night programming



Technical Data	HTS-2/M/ZIRKON-120
Power max.	3200 W
Voltage range / frequency	200-240 V / 50-60 Hz
Weight	60 kg
Dimensions W/D/H	390/500/790 mm

* only in conjunction with test-kit

Technical Data

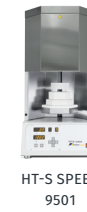


Details standard not kompatibel

Technical informations		HT-S 9500	HT-S SPEED 9501	HTS-2/M/ZIRKON-120 9550
Heating system				
Scope/system size		CLASSIC	SPEED CLASSIC	SPEED CLASSIC
Max. temperature	Tmax.	1650°C	1650°C	1650°C
Heating elements	type	MoSi	MoSi	MoSi
	number	4	4	4
Heating-chamber height	mm	42	42	72
Sintering tray				
Process times CLASSIC [1*]				
Max. programmable heating rate	K/min	30	30	30
shortest heating periode to 1.500°C at 230V	min	86	78	55
shortest cooling periode to 300°C	min	144	154	47
Process duration (incl. dwelling time 30 min)	min(h)	260(4,3)	262(4,4)	132(2,2)
Process times SPEED [1*]				
Max. programmable heating rate	K/min	X	99	99
shortest heating periode to 1.500°C at 230V	min	X	39	25
shortest cooling periode to 750°C	min	X	15	18
Process duration (incl. dwelling time 30 min)	min(h)	X	84(1,4)	73(1,2)
Programm control				
7-segment LED		✓	✓	X
4-lines LCD		X	X	✓
Number of process steps		4	4	4
Program numbers		9	9	30
	fixed programs	X	X	X
	Program numbers free	9	9	30
Special Programs				
drying		X	X	✓
heat-up ventilated		X	X	✓
Service Programs				
A-Temperature control [2*]		X	X	✓
C-Purge heating chamber		X	X	✓
E-Regenerate heating elements		X	X	✓
Thermocouple				
PtRh-Pt, type S		✓	✓	✓
Special functions				
Buffering of emergency-cooling battery		✓	✓	X
Port RS 232		✓	✓	✓
Door lift function		✓	✓	✓
Over-night programming		✓	✓	✓
Technical Data				
Power max.	W	1720	2000	3200
Voltage range / frequency	V/Hz	200-240 / 50-60	220-240 / 50-60	200-240 / 50-60
Weight	kg	58	58	60
Dimensions W/D/H	mm	390/500/780	390/500/780	390/500/790

[1*] Values of process: Sintering temperatur = 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

Sintering tools		HT-S 9500	HT-S SPEED 9501	HTS-2/M/ZIRKON-120 9550
96022	Sintered corundum AL, 4-6mm; 200g	●	●	●
96023	Sintering beads YTZ, 2.0mm; 200g	✓	✓	●
96024	Sintering beads YTZ, 1.25mm; 280g	●	●	●
95023	Sintering granulate YTZ; 200g	●	●	✓
7100001	Sintering tray, 100/30mm	●	○	○
95020	Sintering tray, 100/35mm; ventilated	✓	○	○
95025	Sintering tray, lid 100/4mm	✓	○	○
7100002	Sintering tray, 120/30mm	X	X	✓
96020	Sintering tray, 120/35mm; ventilated	X	X	●
96025	Sintering tray, lid 120/4mm	X	X	✓
7100003	Sintering tray, intermediate ring 120/35mm	X	X	○
7100005	Sintering tray SPEED, 100/30mm	●	●	○
7100006	Sintering tray SPEED, 120/30mm	X	X	✓
95037	Sintering base plate SPEED, 100/15mm	●	✓	○
95038	Sintering base plate SPEED, top ring 100/15mm	●	✓	○
96037	Sintering base plate SPEED, 120/15mm	X	X	●
96038	Sintering base plate SPEED, top ring 120/15mm	X	X	●
95026	Sintering disc, 100/12mm	●	○	○
96026	Sintering disc, 120/12mm	X	X	●
Accessories				
96088	Crucible tongs, 100-120mm	✓	✓	✓
96030	Diamond whetstone; for sintering discs	✓	✓	✓
96041	Power cord EU, C19; 16A	✓	✓	✓
96042	Power cord USA, C19; 16A	●	●	●
7200003	Power cord GB, C19; 13A	●	●	●



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HTS



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MADE IN GERMANY



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Errors and omissions excepted.
Pictures and figures related.