

Technical data



HTS-2/M/METAL-120 7202000003 HTS-2/METAL GLOW-120+ 7202000102 GLOW CUBE-200+ 7205000001

Details ✓ standard ✗ not compatible

Technical information				
Heating-chamber height	mm	67	105	290
Sintering system	system type	8201000023 Sinterglockensystem, 120	8203000042 Glühglockensystem Set, 120	8202000025 Shielding gas box SGBBox-100 (optional)
Heating system				
Process capability				
Max. temperature	in °C			
Heating elements	type			
	number	4	4	4
Values of process				
Max. programmable heating rate	°C/min	40	40	30
Program control				
4-lines LCD		✓	✓	✓
Number of programmable stages		4	9	9
Program capacity		30	30	21
	Number of fixed programs	4	4	1
	Number of customizable programs	26	26	20
Shielding-gas				
Shielding-gas consumption	liter/min	manually adjustable	manually adjustable	manually adjustable
Shielding-gas supply		manually adjustable	manually adjustable	manually adjustable
Thermocouple				
PtRh-Pt, type S		✓	✓	✓
Special functions				
Door lift		✓	✓	✗
Sliding door		✗	✗	✓
Shielding-gas supply		✓	✓	✓



7202000003 HTS-2/M/METAL-120

Item No.	Description	Qty
8201000023	Sintering-system, 120; METAL (kit)	1
8201000003	Sintering beads YTZ, 1,25mm	1
8202000018	Crucible tongs 18/10, 120; bent	1
8202000007	Argon supply tube, 2.5m	1
8202000009	Power cord USA, C19; 16A	1

7202000102 HTS-2/METAL GLOW-120+

Item No.	Description	Qty
8203000042	System set GLOW, 120; cover + base plate	1
8203000051	Support GLOW, 120/10	1
8203000044	Support GLOW for Argon, 120/10	1
8202001001	Crucible tongs, GLOW; assembled	1
8202000007	Argon supply tube, 2.5m	1
8202000009	Power cord USA, C19; 16A	1

7205000001 GLOW CUBE 200+

Item No.	Description	Qty
8202000007	Argon supply tube, 2,5m	1
8202000031	Supply SGBBox with quick coupling NW5	1
8202000022	Pressure air spiral hose, 8/6mm with coupling, 5m	1
8202000021	Removal tool for SGBBox 100/200	1
8203000048	Annealing and hardening foil	1
8202000023	Heat protection gloves	1

Important accessories for GLOW CUBE 200+, not part of the scope of delivery		Qty
8202000006	Pressure reducer for Argon	1
8202000025	Shielding gas box SGBBox-100	1
8202000029	SGBBox-100 Thermocouple Type K	1
8202000024	Trolley for removal tool	1
8203000050	Annealing plate 250/250/50	1

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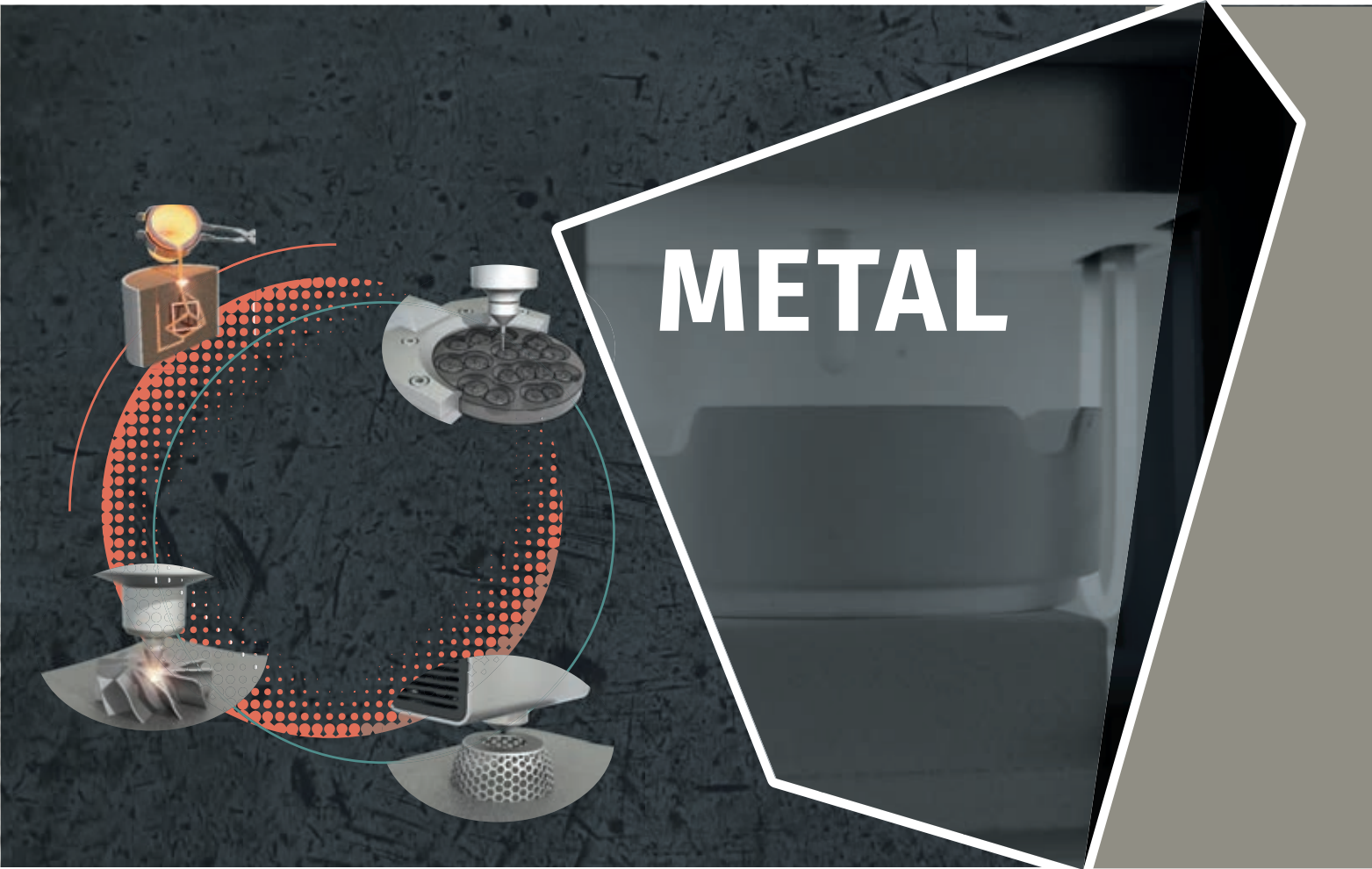
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Pictures and figures related.

MADE IN GERMANY



MODEL OVERVIEW

Valid as of: 01.08.2024

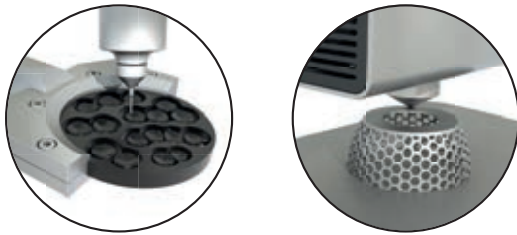


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HTS-2/M/METAL-120



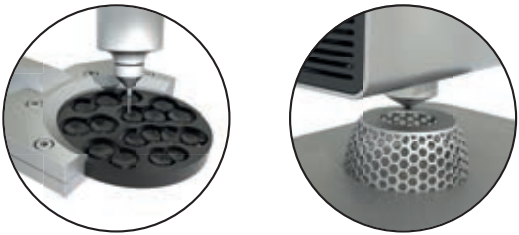
20 SINGLE CROWNS or 1 SINTERING DISC

- Door lift
- 4 pcs. - MoSi2 high purity molybdenum-disilicide heating elements
- Maximum temperature 1400 °C
- Sintering system, Ø 120 mm; METAL (kit)
- Program control
 - LCD-Display
 - 4 stages
 - 30 program capacity
 - 4 fixed programs
 - Maximum heating rate: 40 °C/min
 - Minimum heating rate: 1,0 °C/min
- Thermocouple PtRh-Pt, type S
- Temperature accuracy at 1300 °C +/-2 °C
- Special function
 - Autostart timer



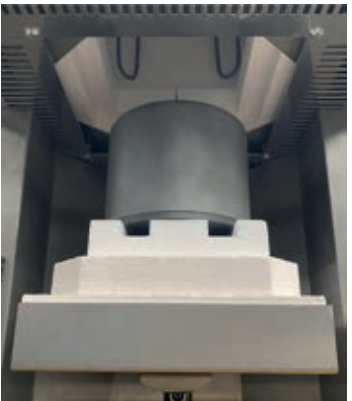
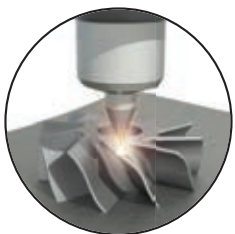
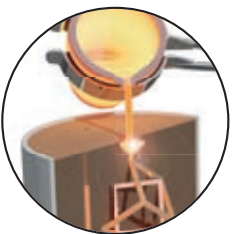
Technical data	HTS-2/M/Metal-120
Power max.	2000 W (2,0 kW)
Voltage range; frequency	200-240 V; 50/60 Hz
Weight	56 kg
Dimensions W/D/H	390/500/790 mm
Power consumption per cycle	1,75 kWh (METAL)

HTS-2/METAL GLOW-120+



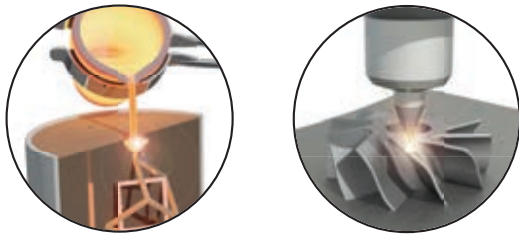
20 SINGLE CROWNS or 1 SINTERING DISC

- Door lift
- 4 pcs. - MoSi2 high purity molybdenum-disilicide heating elements
- Maximum temperature 1400 °C
- System set GLOW, Ø 120 mm; cover + base plate
- Program control
 - LCD-Display
 - 9 stages
 - 30 program capacity
 - 4 fixed programs
 - Maximum heating rate: 40 °C/min
 - Minimum heating rate: 1,0 °C/min
- Thermocouple PtRh-Pt, type S
- Temperature accuracy at 1300 °C +/-2 °C
- Special functions
 - Autostart timer
 - Shielding gas supply START/STOP programmable
 - Variable adjustable shielding gas flow



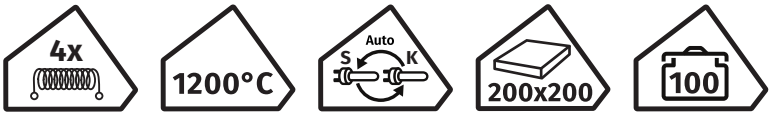
Technical data	HTS-2/METAL GLOW-120+
Power max.	3000 W (3,0 kW)
Voltage range; frequency	200-240 V; 50/60 Hz
Weight	63 kg
Dimensions W/D/H	390/540/800 mm
Power consumption per cycle	1,7 kWh (METAL)

GLOW CUBE 200+



100 SINGLE CROWNS or 1 SINTERING PLATFORM

- Sliding door
- 4 pcs. heating coils
- Max. temperature 1200 °C
- Shielding gas box SGBox 100 (optional)
- SGBox 100 capacity:
 - 1x Platform 200 x 200 x 100 mm
- Fast cooling system
- Shielding gas system
- Program control
 - LCD-Display
 - 9 stages
 - 20 program capacity
 - Maximum heating rate 30 °C/min.
 - Minimum heating rate 1,0 °C/min
- Thermocouple PtRh-Pt, Typ S
- Temperture accuracy at 1200 °C: +/-3 °C
- Special functions
 - Autostart timer
 - Shielding gas supply START/STOP programmable
 - Variable adjustable shielding gas flow
 - Thermocouple switch type S / type K



Technical data	GLOW CUBE-200+
Power max.	8600 W (8,6 kW)
Voltage range (3-phase)	400V (+/-10%)
Weight	200 kg
Frequency	50/60 Hz
Dimensions W/D/H	620/710/1000mm