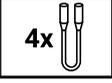
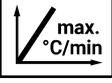
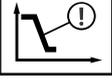
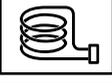




-  7" touch display
-  200 programs capacity
-  10 heating stages
-  4x MoSi2 heating elements
-  Max. heating rate 200°C/min
-  Linear cooling
-  SPEED COOLING
-  Heating stand-by
-  3 service programs
-  Fault diagnosis QR-code
-  Data transfer via USB
-  Regulated device cooling



7204000100 mv-r, 15A - Sintering furnace
7204000101 mv-r, 13A - Sintering furnace

MIHM-VOGT GmbH & Co. KG
 Friedrich-List-Str. 8
 76297 Stutensee-Blankenloch

TEL. +49 7244 70871-0 E-MAIL info@mihm-vogt.de
 FAX +49 7244 70871-20 WEB www.mihm-vogt.de


 MADE IN GERMANY





Technical information

Heating system

Process capability	SPEED Motion, SPEED+, SPEED, CLASSIC
Heating elements	4x MoSi ₂
Max. temperature	1650 °C
Thermocouple	PtRh-Pt, type S
Temperature accuracy	+/- 3 °C at 1500 °C
Heating-chamber capacity	2x sintering tray $\varnothing=100/H=30$ mm, heating-chamber interior height: 70 mm

Program control

Program capacity	200
Number of programmable stages	10
Max. programmable heating rate	200 °C/min
Min. programmable heating rate	0,1 °C/min
Special functions	pre-drying, heating stand-by, timer
Service programs	Temperature control in conjunction with the test-kit Purge heating chamber Regenerate heating elements
Shortest heating period	8 min up to 1500 °C at 230 V (SPEED+ program)

Process times

	CLASSIC	SPEED	SPEED MOTION
Max. programmable heating rate	30 °C/min	120 °C/min	200 °C/min
Shortest heating period to 1500 °C at 230 V	49 min	13 min	8 min
Shortest cooling period	45 min (down to 300 °C)	8 min (down to 750 °C)	-
Process duration	146 min (2,4 h)*	51 min (0,8 h)	20 min (0,3 h)**

* Process parameters: Sinter temperature = 1500 °C, holding time = 30 min, 1x sintering tray

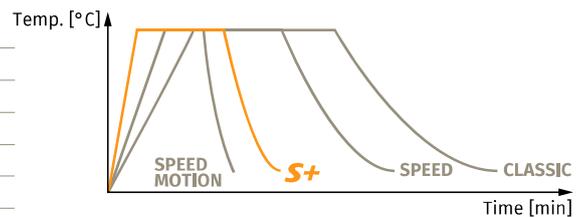
** Process parameters: Sinter temperature = 1500 °C, holding time = 12 min, fleece

Technical data

mv-r

Power max.	3500 W (3,5 kW)
Voltage range; frequency	200-240 V; 50/60 Hz
Weight	65 kg
Dimensions W/D/H	390/540/780 mm
Power consumption per cycle	1,45 kWh

Program curves



Scope of delivery

Sintering tools

8201000048	Sintering tray SiC HD, 100/30 (Attention! Only suitable up to 1550 °C!)
8203000032	Thermal fabric support, 100/12; f. sint. tray (set-5)
8201000004	Sintering granulate YTZ; 200g
8203000039	Sintering fleece, 40/12; SPEED Motion (set-5)
8201000057	Cover, 100/10; for sintering tray

Accessories

8202000017	Crucible tongs 18/10, 100; bent
8202000008	Power cord EU, C19; 16A