

DESIGNED FOR SPEED.

The new **mv-r** sintering furnace.



mv-r



40 SINGLE CROWNS or SINTERING DISC Ø 100

High purity molybdenum-disilicide heating elements PRO

Maximum temperature 1650°C

System size Ø 100

Program control

7" Touch Display

USB data interface

Capacity 200 programs / 10 stages

Special functions

Service programs

1 - Temperature control*

2 - Purge heating chamber

3 - Regenerate heating elements

Thermocouple PtRh-Pt, type S

Temperature accuracy at 1500°C +/- 1 °C

Timer function

* only in conjunction with MV test-kit



SPEED PLUS (200°C/min)



7" TOUCH DISPLAY



HEATING STAND-BY



ERROR DIAGNOSIS VIA QR CODE



DATA TRANSFER VIA USB



CONTROLLED DEVICE COOLING



LINEAR COOLING

Technical Data

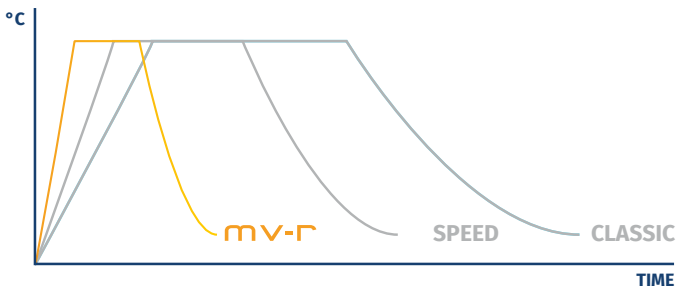
Technical Information

Heating system		
Process capability		
Max. temperature	in °C	**
Heating elements	Type/ number	/ 4
Shortest heating period	in min	8 min to 1500°C "SPEED Motion"
Thermocouple type		PtRh-Pt, type S
Temperature accuracy at 1500°C	in °C	+/- 1°C
Max. heating-chamber capacity	Number of trays	** 2 x 100/30 mm
Heating chamber height	in mm	75 mm
Program control		
Max. rise in temperature	in °C/min	0 – 900 °C 200 °C/min 901 – 1200 °C 150 °C/min 1201 – 1650 °C 125 °C/min
Program capacity		200
Number of programmable heating / cooling stages		10
Min. temperature rate	in °C/min	0,1 °C/min
Special functions		Drying; Heating-up ventilated; Heating stand-by
Service programs		1-Temperature control* 2-Purge heating chamber 3-Regenerate heating elements

*only in conjunction with MV test-kit
** Sintering tray SiC, 100/30 max. 1550°C!

Features

7" Touch Display	✓
Easy menu navigation	✓
USB interface for updates	✓
Error diagnosis via QR code	✓
System test on restart	✓
Controlled device cooling with cooling fan monitoring	✓
Timer function	✓
Linear Cooling	✓



Technical data	MV-R
Power max.	3500 W
Voltage range; frequency	200 – 240 V; 50/60 Hz
Weight	65 kg
Dimensions W/D/H	390/540/780 mm

Energy consumption per sintering cycle in kWh
1,8 kWh at SPEED

Scope of delivery

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



mv-r

✓ Standard

Sintering tools

8201000048	Sintering tray SiC, 100/30, 1 piece	✓
8203000032	Thermal fabric support, 100/12; for sintering tray (set-5)	✓
8201000004	Sintering granulate YTZ; 200g	✓
8203000039	Fabric sintering fleece, 40/12; SPEED Motion (set-5)	✓
8201000057	Cover, 100/10; for sintering tray	✓
** Sintering tray SiC, 100/30 max. 1550°C!		✓

Accessories

8202000017	Crucible tongs 18/10, 100; bent	✓
8202000008	Power cord EU, C19; 16A	✓
8202000010	Power cord GB, C19; 13A	

Only in connection mv-r, 13A sintering furnace



www.mihm-vogt.de/en/mv-r

**CONSISTENT.
RELIABLE.
PRECISE.**

DENTAL

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