



TABEO-1/M/ZIRKON-100



TABEO-2/M/ZIRKON-120



HTS-2/M/ZIRKON-120



HT-2/M/ZIRKON-120



MV-R

EN

Technische Informationen

Heating system

Process capability	CLASSIC	CLASSIC	SPEED, CLASSIC	SPEED, CLASSIC	SPEED Motion, SPEED+, SPEED, CLASSIC
Heating elements	4x MoSi2	4x MoSi2	4x MoSi2	6x MoSi2	4x MoSi2
Max. temperature	1650 °C	1650 °C	1650 °C	1650 °C	1650 °C
Thermocouple	PtRh-Pt, type S	PtRh-Pt, type S	PtRh-Pt, type S	PtRh-Pt, type S	PtRh-Pt, type S
Temperature accuracy	+/- 3 °C at 1500 °C	+/- 3 °C at 1500 °C	+/- 3 °C at 1500 °C	+/- 3 °C at 1500 °C	+/- 3 °C at 1500 °C
Heating-chamber capacity	1x sintering tray Ø=100/H=30 mm heating-chamber interior height: 45 mm	3x sintering tray Ø=100/H=30 mm heating-chamber interior height: 94 mm	2x sintering tray Ø=100/H=30 mm heating-chamber interior height: 75 mm	3x sintering tray Ø=100/H=30 mm heating-chamber interior height: 105 mm	2x sintering tray Ø=100/H=30 mm heating-chamber interior height: 70 mm

Program control

Program capacity	9	9	30	30	200
Number of programmable stages	9	4	9	4	10
Max. programmable heating rate	25 °C/min	25 °C/min	120 °C/min (SPEED program)	99 °C/min (SPEED program)	200 °C/min (0 - 900 °C)
Min. programmable heating rate	1 °C/min	1 °C/min	1,0 °C/min	1,0 °C/min	0,1 °C/min
Special functions	Timer	Timer	pre-drying, heating-up ventilated, SPEED COOLING, timer	pre-drying, heating-up ventilated, timer	pre-drying, heating stand-by, timer,
Service programs	Temperature control with the MV test-kit Purge heating chamber Regenerate heating elements	Temperature control with the MV test-kit Purge heating chamber Regenerate heating elements	Temperature control with the MV test-kit Purge heating chamber Regenerate heating elements	Temperature control with the MV test-kit Purge heating chamber Regenerate heating elements	Temperature control with the MV test-kit Purge heating chamber Regenerate heating elements

Process times

	CLASSIC	CLASSIC	CLASSIC	SPEED	CLASSIC	SPEED	CLASSIC	SPEED	S+
Max. programmable heating rate	25 °C/min	25 °C/min	30 °C/min	120 °C/min	30 °C/min	99 °C/min	30 °C/min	120 °C/min	200 °C/min
Shortest heating period to 1500 °C at 230 V	61 min	72 min	49 min	16 min	49 min	27 min	49 min	13 min	8 min
Shortest cooling period	148 min	145 min	47 min	8 min (to 750 °C)	67 min	19 min (to 750 °C)	45 min	8 min (to 750 °C)	-
Process duration	239 min (4 h)*	247 min (4,1 h)*	126 min (2,1 h)*	54 min (0,9 h)*	146 min (2,4 h)*	76 min (1,3 h)*	146 min (2,4 h)*	51 min (0,8 h)**	20 min (0,3 h)

* Process parameters:
Sinter temp. = 1500 °C, hold. time = 30 min, 1x sint. tray

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Sinter temp. = 1500 °C, hold. time = 30 min, 1x sint. tray

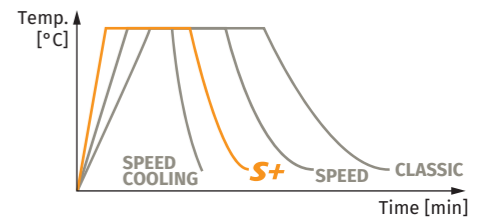
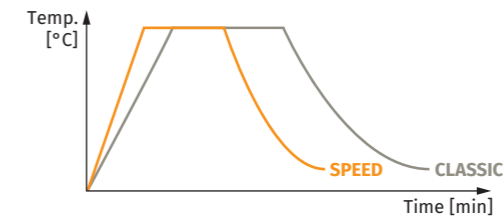
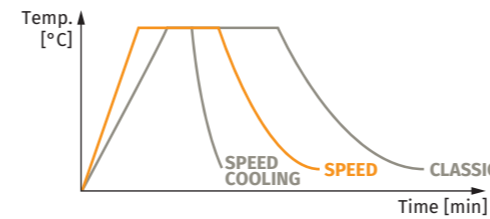
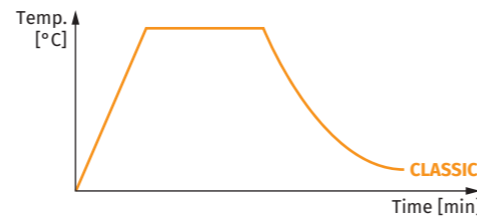
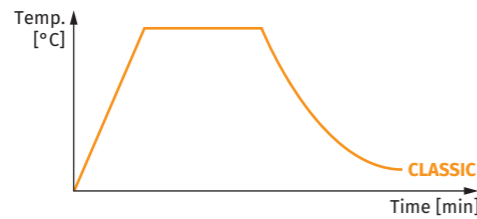
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** Process parameters:
Sinter temp. = 1500 °C, hold. time = 12 min, fleece

Program curves



Technical data

Power max.	1500 W (1,5 kW)	1800 W (1,8 kW)	3200 W (3,2 kW)	3800 W (3,8 kW)	3500 W (3,5 kW)
Voltage range; frequency	220-240 V; 50/60 Hz	200-240 V; 50/60 Hz	200-240 V; 50/60 Hz	200-240 V; 50/60 Hz	200-240 V; 50/60 Hz
Weight	55 kg	80 kg	60 kg	74 kg	65 kg
Dimensions W/D/H	400/400/600 mm	480/460/680 mm	390/500/790 mm	500/560/820 mm	390/540/780 mm
Power consumption per cycle	2,0 kWh	2,5 kWh	1,8 kWh (SPEED program)	2,3 kWh (SPEED program)	1,45 kWh (SPEED program)