AUSTROMAT™

SINTER

664*i*™ G2

AUSTROMAT™ 664*i*™ G2
Maximum efficiency meets smart technology.



AUSTROMAT™ 664*i*™ G2

- DEKEMA patented high-temperature precision thermocouple design, suitable for speeding without overshooting temperature
- DEKEMA patented tray system with up to 2 levels (Ø 2,56" per level), invented for speeding or easy handling of up to 40 units
- No contamination and no discoloration
- Absolutely clean – no purge cycles necessary
- Nonstop – start subsequent cycles immediately
- DEKEMA AutoDry™ & AUTORITE™
- Access to more than 100.000 firing, pressing and sintering programs of all manufacturers of dental ceramics through DEKEMA online

DEKEMA Colorite™
You are the artist.

CREATE YOUR FURNACE

Applications	with vacuum	without vacuum
Fire	–	–
Press	–	–
Sinter	–	✓
Glaze	–	✓
Crystallize	–	✓
Infiltrate	–	–

NEW THOR SOFTWARE

myDEKEMA

MADE IN GERMANY DEKEMA



DEKEMA. Sinter.

During sintering, milled materials are compacted, resulting in stronger, more stable and natural looking dental restorations.

Non-stop precision
DEKEMA furnaces ensure discolouration-free sintering without cleaning cycles – for trouble-free continuous operation and uncompromising quality.

DEKEMA. Accessories. AUSTROMAT™ 664*i*™ G2

Heating element, SiC hanging, set with cable Art. No. 105413

Heating element made of SiC, in set with installation accessories for use in sintering furnaces with hanging radiators.



Thermocouple, for hanging heating elements Art. No. 106652

Thermocouple for use in sintering furnaces with hanging heating elements.



CALIBRITE™ sinter set Art. No. 106907

The CALIBRITE™ sinter set in a convenient storage case includes the DEKEMA micrometer screw with stand and guide for the accurate PTC ring mounting, 15 PTC rings and the QR code for the online calibration tutorial and online calculator.



CALIBRITE™ sinter PTC Art. No. 106906

15 PTC rings for precise temperature calibration of sintering furnaces incl. access to the DEKEMA online calibration calculator.



Tweezers, DEKEMA logo Art. No. 105236

Furnace tweezers for safe handling of firing objects.



Firing table ring, Ø 65 mm, 28 mm height Art. No. 105138

Firing table ring, Ø 65 mm, 28 mm height, spacer for sintering planes.



Insulating table, Ø 65 mm sintering plane Art. No. 105169

Insulating table for use in sintering furnaces with Ø 65 mm sintering planes.



DEKEMA. Accessories. AUSTROMAT™ 664*i*™ G2

Firing table, basis trough, Ø 65 mm Art. No. 105139

Firing table basis trough, Ø 65 mm, can be used on both sides, flat and low trough, for sintering.



SinterPlace set, Ø 65 mm Art. No. 105835

SinterPlace set, Ø 65 mm, set, consisting of insulating body, firing table ring, Ø 65 mm and tongs, for depositing the firing table basis trough.



AUSTROMAT™ 674*i*™ G2
Temperatur-Upgrade-Kit (max. Temp. 1.600 °C) Art. No. 106723



Sintering beads, Micro Pearls (200 g) Art. No. 105262

Sintering beads for distortion-free sintering of objects in the firing table basis hybrid Ø 100 mm and firing table basis trough Ø 65 mm.



Fuse (10 pieces), 5 x 20 mm, 16 A, 230 V Art. No. 100512

Fuse (10 pieces), 5 x 20 mm, 16 A, 230 V, for high temperature furnaces.



DEKEMA. Technical data.

	AUSTROMAT™ 664	AUSTROMAT™ 664*i*™ G2	AUSTROMAT™ 674	AUSTROMAT™ 674*i*™ G2
Size (W x H x D)	15,08'' x 30,71'' x 13,50''	15,08'' x 30,71'' x 13,50''	15,08'' x 30,71'' x 13,50''	15,08'' x 30,71'' x 13,50''
Weight	46 lbs	51 lbs	53 lbs	55 lbs
Power supply	220 – 240 V / 50 – 60 Hz	220 – 240 V / 50 – 60 Hz	220 – 240 V / 50 – 60 Hz	220 – 240 V / 50 – 60 Hz
Maximum power supply	2.000 W	2.000 W	2.000 W	2.000 W
Maximum sintering temperature	1.530 °C / 1.560 °C optional	1.560 °C / 1.600 °C optional	1.530 °C / 1.560 °C optional	1.560 °C / 1.600 °C optional

DEKEMA. Device equipment.

	AUSTROMAT™ 664	AUSTROMAT™ 664*i*™ G2	AUSTROMAT™ 674	AUSTROMAT™ 674*i*™ G2
Housing: Aluminum	●	●	●	●
Corporate Design customization	optional	optional	optional	optional
Touchscreen	7,5'', color	10,4'', color	7,5'', color	10,4'', color
USB interface / Ethernet interface	● / optional	●	● / optional	●
DEKEMA specific SiC heating element: high purity heating elements made of SiC (silicon carbide), firing at high temperatures, no discoloration	●	●	●	●
Multi-compund fiber insulation: Multilayer insulation for sintering at high temperatures	●	●	●	●
DEKEMA AutoDry™ & AUTORITE™	●	●	●	●

DEKEMA. Software features.

	AUSTROMAT™ 664	AUSTROMAT™ 664*i*™ G2	AUSTROMAT™ 674	AUSTROMAT™ 674*i*™ G2
DEKEMA Internet database access for registered users	●	●	●	●
DEKEMA Internet database furnace connectivity	optional	●	optional	●
Internet program streaming	–	●	–	●
DEKEMA Circle: Data Management in the Cloud	–	●	–	●
IoT (Internet of Things) enables intelligent networking and real-time monitoring of the furnace – ensuring 99,9 % availability and seamless operation through preventive service.	–	●	–	●
myDEKEMA: VNC-Viewer for remote control	optional	●	optional	●
QM (quality management): Record of process files	optional	●	optional	●
USB: Transferring sintering programs (dds)	●	●	●	●
USB: Transferring fotos (jpeg)	●	●	●	●
USB: Storage of QM files (dfl)	optional	●	optional	●
USB: Storage of Printouts	●	●	●	●
USB: Backup / Update	●	●	●	●
Online: Backup / Update	optional	●	optional	●
VNC-Server: VNC viewer for remote control of the DEKEMA furnace on the PC	optional	●	optional	●
OPC: Industrial standardised connection for data exchange between different systems	optional	●	optional	●
OPC UA: Secure, manufacturer-independent interface for Industry 4.0 and IoT communication	–	optional	–	optional
Programing languages	Classic	Classic, Professional, Chairside	Classic	Classic, Professional, Chairside

DEKEMA. Accessories.

	AUSTROMAT™ 664	AUSTROMAT™ 664*i*™	AUSTROMAT™ 674	AUSTROMAT™ 674*i*™
Heating element, SiC hanging, set with cable (Art. No. 105413)	✓	✓	✓	✓
Thermocouple, for hanging heating elements (Art. No. 106652)	✓	✓	✓	✓
Calibration set high temperature	✓	✓	✓	✓
CALIBRITE™ sinter set (Art. No. 106907)	optional	optional	optional	optional
CALIBRITE™ sinter PTC (Art. No. 106906)	optional	optional	optional	optional
Insulating table, Ø 65 mm sintering plane (Art. No. 105169)	✓	✓	–	–
Firing table ring, Ø 65 mm, 28 mm height (Art. No. 105138)	✓	✓	–	–
Firing table, basis trough, Ø 65 mm (Art. No. 105139)	✓	✓	–	–
SinterPlace set, Ø 65 mm (Art. No. 105835)	optional	optional	–	–
Insulating table, Ø 100 mm sintering plane (Art. No. 105381-01)	–	–	✓	✓
Firing table ring, Ø 100 mm, 36 mm height (Art. No. 105317)	–	–	✓	✓
Firing table ring, Ø 100 mm, 28 mm height (Art. No. 105462)	–	–	optional	optional
Firing table, basis hybrid, Ø 100 mm (Art. No. 105648)	–	–	✓	✓
SinterPlace set, Ø 100 mm (Art. No. 105836)	–	–	optional	optional
Sintering beads, Micro Pearls (200 g) (Art. No. 105262)	optional	optional	optional	optional
Fuse (10 pieces), 5 x 20 mm, 16 A, 230 V (Art. No. 100512)	optional	optional	optional	optional
Tweezers, DEKEMA logo (Art. No. 105236)	✓	✓	✓	✓
Gripper, DEKEMA logo (Art. No. 101921)	–	–	optional	optional
Software Package for AUSTROMAT™ 664 or AUSTROMAT™ 674 (Art. No. 101933)	optional	✓	optional	✓
Temperature upgrade kit (max. temp. 1.560 °C) (Art. No. 105619)	optional	✓	optional	✓
Temperature upgrade kit (max. Temp. 1.600 °C) (Art. No. 106723)	–	optional	–	optional