

AUSTR

SINTER

DMAT™

674i™ G2

AUSTROMAT™ 674i™ G2

The big one.

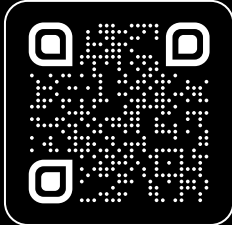


AUSTROMAT™ 674i™ G2

- Already prepared for ultrafast cycles below 1 hour
- DEKEMA patented high-temperature precision thermocouple design, suitable for speeding without overshooting temperature
- DEKEMA patented tray system with up to 2 levels (Ø 3,94" per level), invented for speeding or easy handling of up to 80 units
- No contamination and no discoloration
- Absolutely clean – no purge cycles necessary
- Nonstop – start subsequent cycles immediately
- DEKEMA AutoDry™
- 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	–	–



DEKEMA. Sinter.

Our SiC heating elements are optimised for sintering and ensure homogeneous temperatures of up to 1.600 °C. They guarantee precise firing results and high process reliability.

Reliable and durable

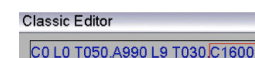
Their durability and energy efficiency reduce maintenance and operating costs – for reliable performance and consistently high quality.



DEKEMA. Accessories. AUSTROMAT™ 674i™ G2

AUSTROMAT™ 674i™ G2

Temperatur-Upgrade-Kit (max. Temp. 1.600°C) Art. No. 106723



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.



Gripper, DEKEMA logo

Art. No. 101921

Gripper for safe handling of sintering accessories with Ø 100 mm.



SinterPlace set, Ø 100 mm

Art. No. 105836

SinterPlace set, Ø 100 mm, set, consisting of insulating body, firing table ring, Ø 100 mm, 36 mm height and pliers, for secure placement of the firing table Basis Hybrid.



DEKEMA. Accessories.

AUSTROMAT™ 674i™ G2

Firing table ring, Ø 100 mm, 36 mm height Art. No. 105317

Firing table ring, Ø 100 mm, 36 mm height, standard spacer for sintering planes.



Firing table ring, Ø 100 mm, 28 mm height Art. No. 105462

Firing table ring, Ø 100 mm, 28 mm height, low spacer for sintering planes.



Firing table, basis hybrid, Ø 100 mm Art. No. 105648

Firing table basis hybrid, Ø 100 mm, can be used on both sides, low trough and with numbered cavities, for sintering.



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.



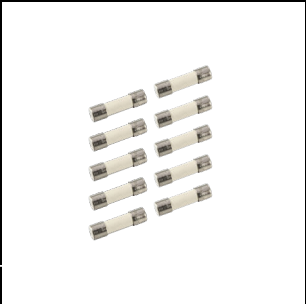
Insulating table, Ø 100 mm sintering plane Art. No. 105381-01

Insulating table for use in sintering furnaces with Ø 100 mm sintering planes.



Fuse (10 pieces), 5x20 mm, 16 A, 230 V Art. No. 100512

Fuse (10 pieces), 5x20 mm, 16 A, 230 V, for high temperature furnaces.



DEKEMA. Technical data.

	AUSTROMAT™ 664	AUSTROMAT™ 664i™ G2	AUSTROMAT™ 674	AUSTROMAT™ 674i™ G2
Size (WxHxD)	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™ 664i™ G2	AUSTROMAT™ 674	AUSTROMAT™ 674i™ 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™ 664i™ G2	AUSTROMAT™ 674	AUSTROMAT™ 674i™ 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™ 664i™	AUSTROMAT™ 674	AUSTROMAT™ 674i™
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