

AUSTR

FIRE

DMAT™

624i™ G2

AUSTROMAT™ 624i™ G2

The expert for perfect firing results.

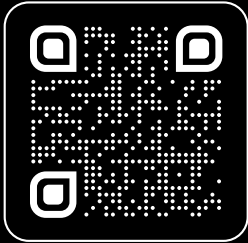


AUSTROMAT™ 624i™ G2

- » Even heat distribution
- » Automatic control of the drying and cooling to optimize aesthetics
- » DEKEMA-specific firing chamber concept for excellent firing results in all temperature ranges
- » Thermocouple made of platinum/platinum-rhodium, purest quality with an accuracy of measurement of $\pm 0.25\text{ }^{\circ}\text{C}$
- » Individually selectable drying positions of the lift
- » DEKEMA AutoDry™ & AUTORITE™
- » Variable vacuum switch-on point, independent of preheating temperature
- » 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. Fire.

Firing is the key to flawless dentures. The ceramic is heated precisely to achieve its final shape and strength – made possible by precise process and temperature control.

Unrivalled precision

The closed insulation system and high-purity thermocouple of DEKEMA furnaces ensures constant temperatures of up to 1,500 °C with a measuring accuracy of well below 0.5° C.

DEKEMA. Accessories.

AUSTROMAT™ 624i™ G2

Firing table, fibre

Art. No. 101733

Firing table for use in furnaces with fiber insulation.



CALIBRITE™ fire set

Art. No. 101817-01

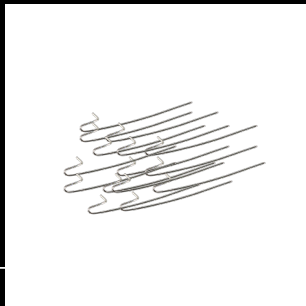
Silver wire calibration set for exact temperature adjustment of firing furnaces, as well as of press furnaces with single-plunger press system.



CALIBRITE™ fire wire

Art. No. 101821-01

15 pre-formed silver wires for precise temperature calibration of firing furnaces, as well as of press furnaces with single-plunger press system.



Firing tray, set

Art. No. 106490

Firing tray, set of temperature-optimized honey-comb tray and 10 ceramic pins for exact positioning of firing objects.



Tweezers, DEKEMA logo

Art. No. 105236

Furnace tweezers for safe handling of firing objects.



DEKEMA. Technical data.

	AUSTROMAT™ 220 G2	AUSTROMAT™ 624	AUSTROMAT™ 624/™ G2	AUSTROMAT™ 654	AUSTROMAT™ 654/™ G2
Size (WxHxD)	10,47" x 20,91" x 10,16"	15,08" x 25,71" x 13,50"	15,08" x 25,71" x 13,50"	15,08" x 25,71" x 13,50"	15,08" x 25,71" x 13,50"
Weight	28,5 lbs	38,5 lbs	42 lbs	48,5 lbs	53 lbs
Power supply	95 – 105 V/50–60 Hz or 110 – 125 V/50–60 Hz or 220 – 240 V/50–60 Hz	95 – 105 V/50–60 Hz or 110 – 125 V/50–60 Hz or 220 – 240 V/50–60 Hz	95 – 105 V/50–60 Hz or 110 – 125 V/50–60 Hz or 220 – 240 V/50–60 Hz	95 – 105 V/50–60 Hz or 110 – 125 V/50–60 Hz or 220 – 240 V/50–60 Hz	95 – 105 V/50–60 Hz or 110 – 125 V/50–60 Hz or 220 – 240 V/50–60 Hz
Maximum power supply	1.500 W	1.500 W	1.500 W	1.500 W	1.500 W
T _{max}	1.100 °C	1.200 °C	1.560 °C	1.200 °C	1.560 °C

DEKEMA. Device equipment.

	AUSTROMAT™ 220 G2	AUSTROMAT™ 624	AUSTROMAT™ 624/™ G2	AUSTROMAT™ 654	AUSTROMAT™ 654/™ G2
Housing: Aluminum					
Corporate Design Customization	–	optional	optional	optional	optional
Touchscreen	4,3", color	7,5", color	10,4", color	7,5", color	10,4", color
USB interface / Ethernet interface	– / –	 / optional		 / optional	
Quartz glass heating element: DEKEMA specific heating element coil guided in pure quartz glass					
Fiber insulation: DEKEMA specific fiber insulation				–	–
DEKEMA stone insulation: internally fabricated, specific stone insulation	–	–	–		
DEKEMA vacuum pump	optional				
DEKEMA ventilation unit	optional	integrated	integrated	integrated	integrated
DEKEMA AutoDry™ & AUTORITE™	–				
MPTA (Multiple Press Time Automatic)	–	–	–		

DEKEMA. Software features.

	AUSTROMAT™ 220 G2	AUSTROMAT™ 624	AUSTROMAT™ 624/™ G2	AUSTROMAT™ 654	AUSTROMAT™ 654/™ 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 firing programs (dds)	–				
USB: Transferring fotos (jpeg)	–				
USB: Storage of QM files (dfl)	–	optional		optional	
USB: Storage of Printouts	–				
USB: Backup/Update	–				
Internet: Backup/Update	–	optional		optional	
FTP-Server	–	optional		optional	
FTP-Client	–	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, Easy, Professional	Classic, Professional	Classic, Easy, Professional, Press	Classic, Professional, Press
Language-independent program management	–	–	–	–	–

DEKEMA. Accessories.

	AUSTROMAT™ 220 G2	AUSTROMAT™ 624	AUSTROMAT™ 624/™ G2	AUSTROMAT™ 654	AUSTROMAT™ 654/™ G2
Firing table, fibre (Art. No. 101733)				–	–
Firing tray, set (Art. No. 106490)	optional	optional	optional	optional	optional
CALIBRITE™ fire set (Art. No. 101817-01)	optional			–	–
Firing table, multiple-plunger press furnaces (Art. No. 101734)	–	–	–		
Press table, multiple plunger press system (Art. No. 101726)	–	–	–		
Ceramic supports, 6 pieces (Art. No. 105488)	–	–	–	optional	optional
CALIBRITE™ press set (Art. No. 101818-01)	–	–	–		
trixpress™ ring system, set (Art. No. 101807-01)	–	–	–	optional	optional
trixpress™ press ring, 380 g segments (Art. No. 101808)	–	–	–	optional	optional
trixpress™ disposable plungers, Ø 13 mm, 50 pieces (Art. No. 105891)	–	–	–	optional	optional
Placeholder, blue color, Ø 13 mm, 50 pieces (Art. No. 101915)	–	–	–	optional	optional
Tweezers, DEKEMA logo (Art. No. 105236)	optional				
Software Package for AUSTROMAT™ 624 or AUSTROMAT™ 654 (Art. No. 101933)	–	optional		optional	
trix™4all, fully automated 3D nesting software for integration of third-party 3D printers into the trix™ workflow, 5-year license (Art. No. 107023)	–	–	–	optional	optional