



AUSTROMAT™ 220



The DEKEMA for starters. No compromise on results.

COMPACT – PRECISE – FULL-FEATURED

- » Stand-alone furnace with optional vacuum pump
- » 13 kg stable
- » Long-lasting quality, using noble, light materials
- » Firing, glazing, crystallization and infiltration with and without vacuum
- » Place – Power – Perform

DEKEMA. Chamber.

- » Well known from the high quality AUSTROMAT™ Series 6 firing furnace
- » Designed decades ago, operated for decades, optimized over decades
- » Unique, homogeneous energy distribution
- » Fiber insulation of purest quality in highest precision design



DEKEMA. Heating element.

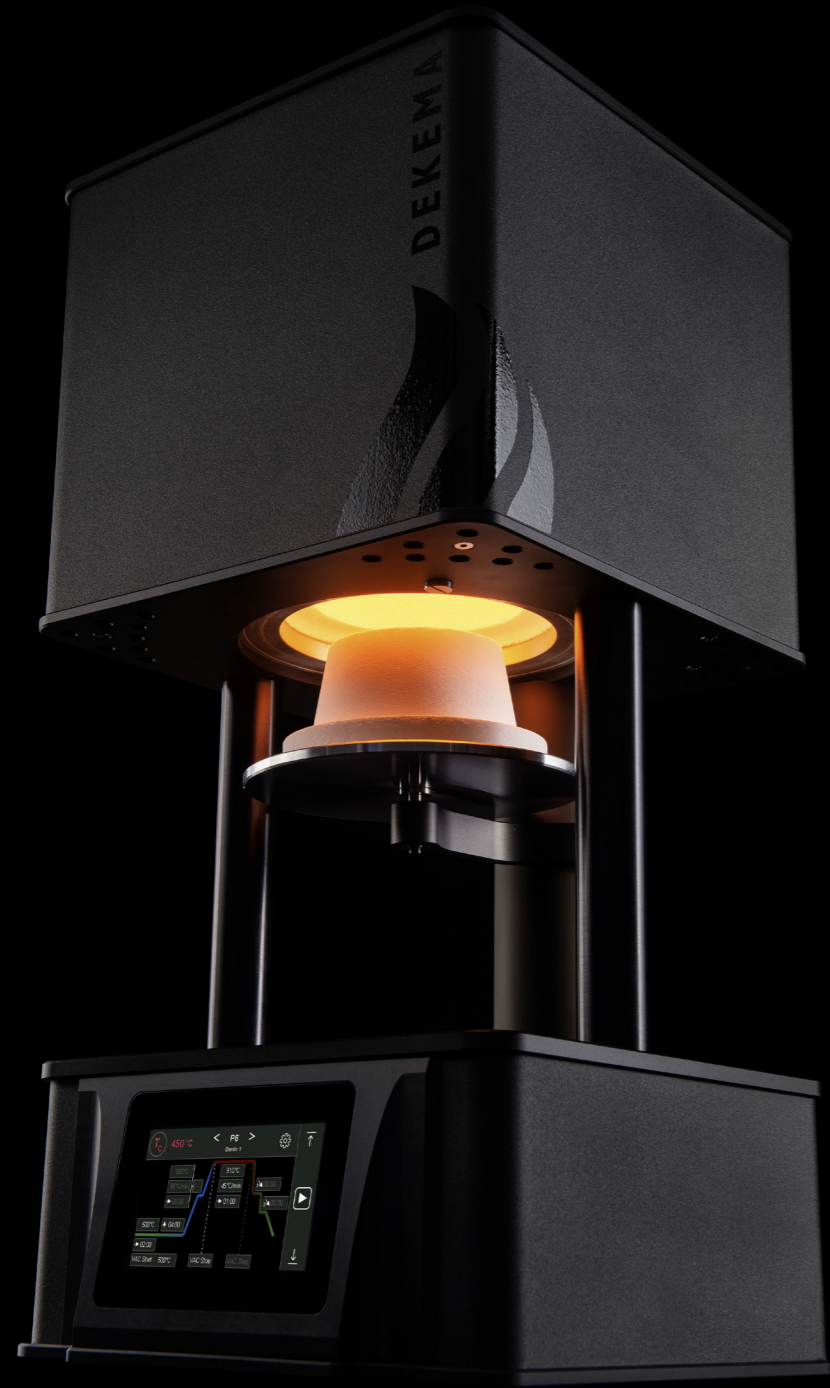
- » Well known from the high quality AUSTROMAT™ Series 6 firing furnace
- » Manufactured in house by DEKEMA
- » Unsurpassed durability and longevity

DEKEMA. Firing table.

- » Well known from the high quality AUSTROMAT™ Series 6 firing furnace
- » Physically defined fiber insulation table of outstanding purity
- » Usable with common firing trays

DEKEMA. Housing.

- » Fan free, integrated convection cooling
- » Corrosion free, lightweight aluminum housing
- » Kept in matt black



DEKEMA. Thermocouple & Control.

- » Well known from the high quality AUSTROMAT™ Series 6 firing furnace
- » Platinum/platinum-rhodium thermocouple of the purest quality and a controlled accuracy far below 0,5°C
- » Temperature calibration at only one measuring point through the DEKEMA calibration set, unmatched in precision

DEKEMA. Lift system.

- » Smooth lift movement
- » Durable stainless steel design
- » Freely selectable drying position

DEKEMA. User Interface.

- » Language independent icon surface
- » Touch operation with 100 programs
- » Independent vacuum start



Optional. For maximum flexibility.

DEKEMA. Vacuum pump.

- » Self-cooling aluminum heads
- » Low contamination Trenn Coat™ coating
- » Straight air flow
- » Low maintenance design
- » Self-cleaning feature
- » Specific shell

DEKEMA. Accessories.

AUSTROMAT™ 220

Vacuum pump (100 V, 50 – 60 Hz) Art. No. 105205
Vacuum pump (115 V, 50 – 60 Hz) Art. No. 105203
Vacuum pump (230 V, 50 – 60 Hz) Art. No. 105201

Vacuum pump, version DEKEMA 838.3 R, durable and low-maintenance, with coated, flow-optimized aluminum pump heads and special vacuum guide for highest vacuum performance.



Ventilation unit, external (100 V, 50 – 60 Hz) Art. No. 106499-01
Ventilation unit, external (115 V, 50 – 60 Hz) Art. No. 106499-01
Ventilation unit, external (230 V, 50 – 60 Hz) Art. No. 106500-01

Ventilation unit for connecting a vacuum pump to vacuum furnaces without integrated solenoid valve.



Firing table, fibre Art. No. 101733

Firing table for use in furnaces with fiber insulation.



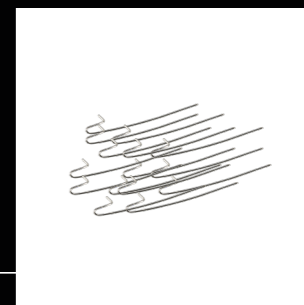
CALIBRITE™ fire set Art. No. 101817-01

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



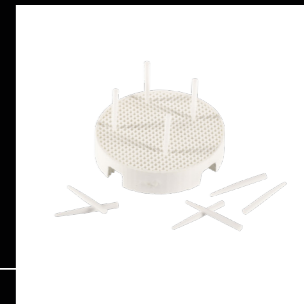
CALIBRITE™ fire wire Art. No. 101821-01

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



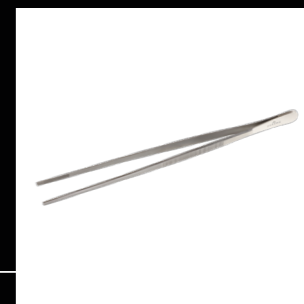
Firing tray, set Art. No. 106490

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	AUSTROMAT™ 624	AUSTROMAT™ 624i™
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"
Weight	28,5 lbs	38,5 lbs	42 lbs
Power consumption	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 consumption	1.500 W	1.500 W	1.500 W
T _{max}	1.100 °C	1.200 °C	1.200 °C

DEKEMA. Device equipment.

	AUSTROMAT™ 220	AUSTROMAT™ 624	AUSTROMAT™ 624i™
Housing: Aluminum			
Corporate Design Customization	–	optional	optional
Touchscreen	4,3", color	7,5", color	10,4", color
USB interface / Ethernet interface	– / –	 / optional	
Quartz glass heating element: DEKEMA specific heating element coil guided in pure quartz glass			
Fiber insulation: DEKEMA specific fiber insulation			
DEKEMA AutoDry™	–		

DEKEMA. Software Features.

	AUSTROMAT™ 220	AUSTROMAT™ 624	AUSTROMAT™ 624i™
DEKEMA Internet database access for registered users			
DEKEMA Internet database furnace connectivity	–	optional	
Internet program streaming	–	–	
DEKEMA Circle: Data Management in the Cloud	–	–	
IoT (Internet of Things: If the DEKEMA furnace is registered at DEKEMA online you profit from a secure backup of the process data and fast service to minimize downtime.)	–	–	
myDEKEMA: VNC-Viewer for remote control	–	optional	
QM (quality management): Record of process files	–	optional	
USB: Transferring firing programs (dds)	–		
USB: Transferring fotos (jpeg)	–		
USB: Storage of QM files (dfl)	–	optional	
USB: Storage of Printouts	–		
USB: Backup/Update	–		
Internet: Backup/Update	–	optional	
FTP-Server	–	optional	
FTP-Client	–	optional	
VNC-Server: VNC viewer for remote control of the DEKEMA furnace on the PC	–	optional	
OPC: Industrial standardised connection for data exchange between different systems	–	optional	
OPC UA: Secure, manufacturer-independent interface for Industry 4.0 and IoT communication	–	–	optional
Programming languages	–	Classic, Easy, Professional	Classic, Easy, Professional, Professional Plus
Language-independent program management	–	–	–

DEKEMA. Accessories.

	AUSTROMAT™ 220	AUSTROMAT™ 624	AUSTROMAT™ 624i™
Vacuum pump (100 V, 50–60 Hz) (Art. No. 105205)			
Vacuum pump (115 V, 50–60 Hz) (Art. No. 105203)	optional		
Vacuum pump (230 V, 50–60 Hz) (Art. No. 105201)			
Ventilation unit, external (100 V, 50–60 Hz) (Art. No. 106499-01)			
Ventilation unit, external (115 V, 50–60 Hz) (Art. No. 106499-01)	optional	integrated	integrated
Ventilation unit, external (230 V, 50–60 Hz) (Art. No. 106500-01)			
Firing table, fibre (Art. No. 101733)			
Firing tray, set (Art. No. 106490)	optional	optional	optional
CALIBRITE™ fire set (Art. No. 101817-01)	optional		
Tweezers, DEKEMA logo (Art. No. 105236)	optional		



DEKEMA

Der Ofen.™

DEKEMA Dental-Keramiköfen GmbH

Industriestraße 22 • 83395 Freilassing • Germany

☎ +49-8654-46390 📧 +49-8654-66195

info@dekema.com • www.dekema.com

