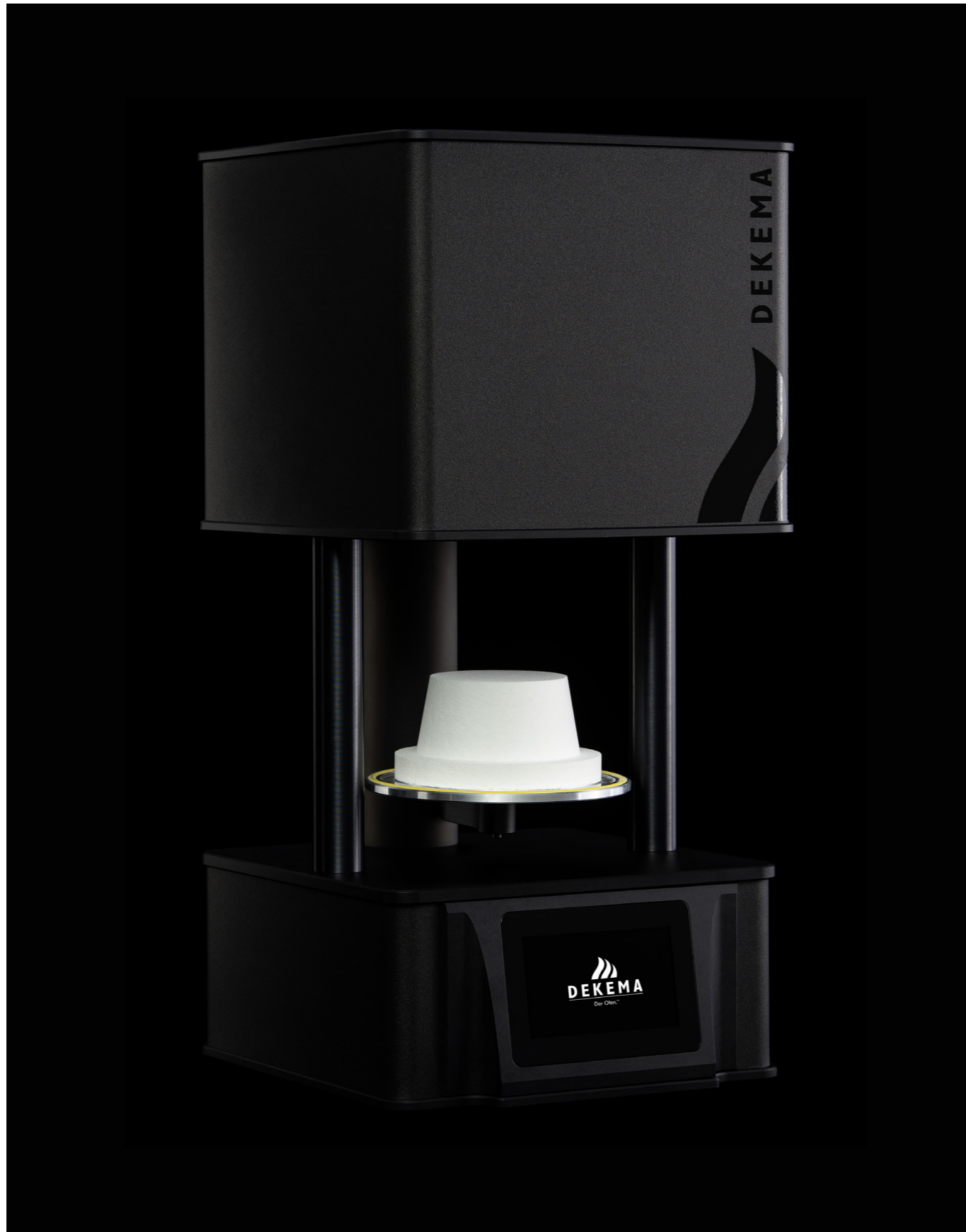




AUSTROMAT™ 220



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.

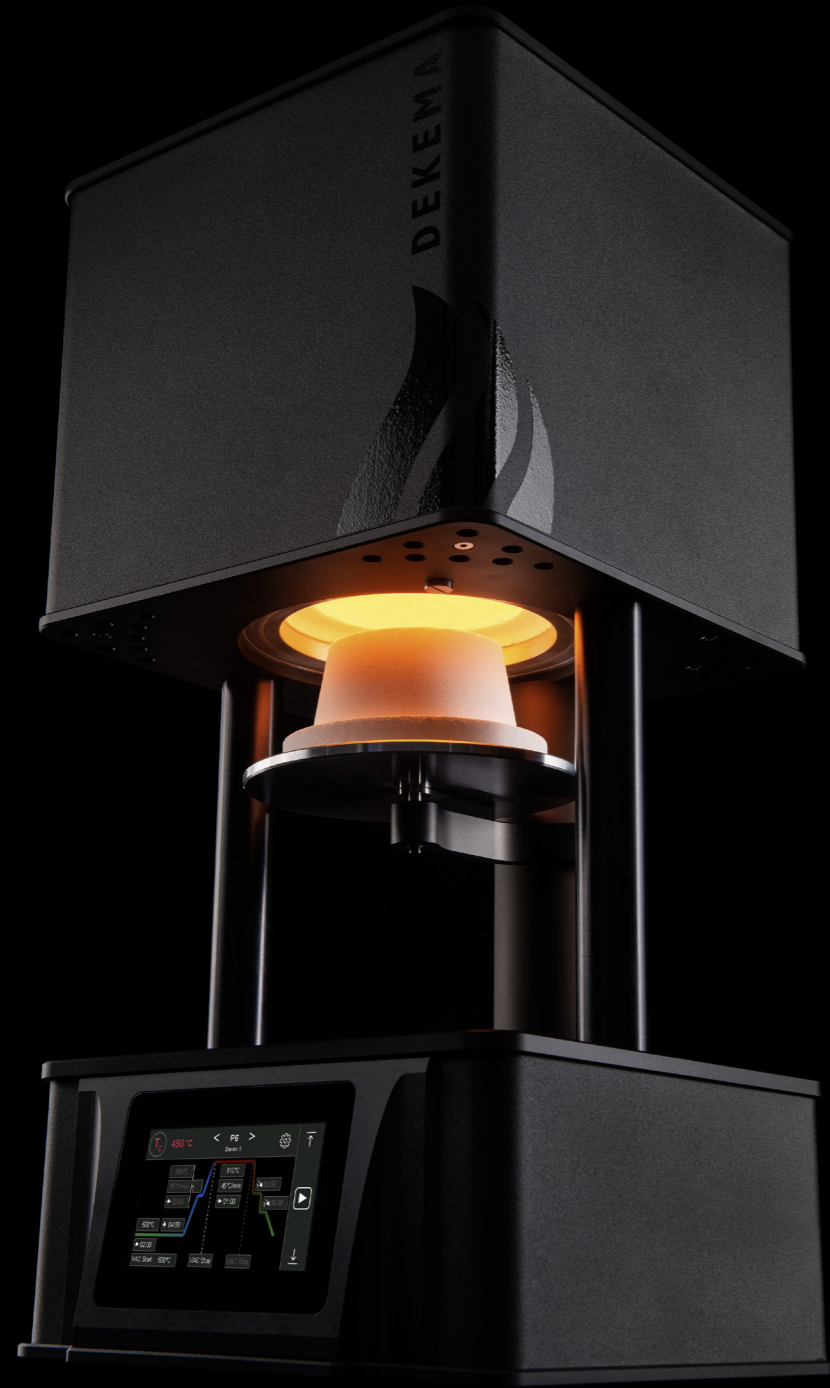
- » Well known from the high quality AUSTROMAT™ Series 6 firing furnace
- » Manufactured in house by DEKEMA
- » Unsurpassed durability and longevity

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. Casing.

- » 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 1°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. # 105205

Vacuum pump (115 V, 50 – 60 Hz)

Art. # 105203

Vacuum pump (230 V, 50 – 60 Hz)

Art. # 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. # 106498

Ventilation unit, external (115 V, 50 – 60 Hz)

Art. # 106499

Ventilation unit, external (230 V, 50 – 60 Hz)

Art. # 106500

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



Silver wire calibration set, standard

Art. # 101817

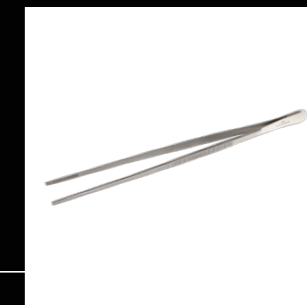
Silver wire calibration set for exact temperature adjustment of firing furnaces, as well as of press furnaces with single-plunger press system.



Tweezers, DEKEMA logo

Art. # 105236

Furnace tweezers for safe handling of firing objects.



Firing tray, set

Art. # 106490

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





















Firing table, fibre

Art. # 101733

























Firing table for use in furnaces with fiber insulation.



DEKEMA. Device equipment.

	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
Touchscreen	4,3", color	7,5", color	10,4", color
USB interface / Ethernet interface	- / -	 / optional	
DEKEMA AutoDry™	-		
Housing: Aluminum			
Corporate Design Customization	-	optional	optional
Quartz glass heating element: DEKEMA specific heating element coil guided in pure quartz glass			
Fiber insulation: DEKEMA specific fiber insulation			
Fiber insulation table: For firing porcelain, adapted to the dimentions of the furnace			
DEKEMA vacuum pump	optional		
DEKEMA ventilation unit	optional	integrated	integrated

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	
X-DREAM: Computer program for querying the furnace state and emailing QM data	–	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: Software server to incorporate quality management into ERP systems	–	optional	optional
Programming languages	–	Classic, Easy, Professional	Classic, Easy, Professional, Professional Plus
Language-independent program management		–	–



DEKEMA

Der Ofen.™

DEKEMA Dental-Keramiköfen GmbH

Industriestraße 22 • 83395 Freilassing • Germany

☎ +49-8654-46390 ✉ +49-8654-66195

info@dekema.com • www.dekema.com

