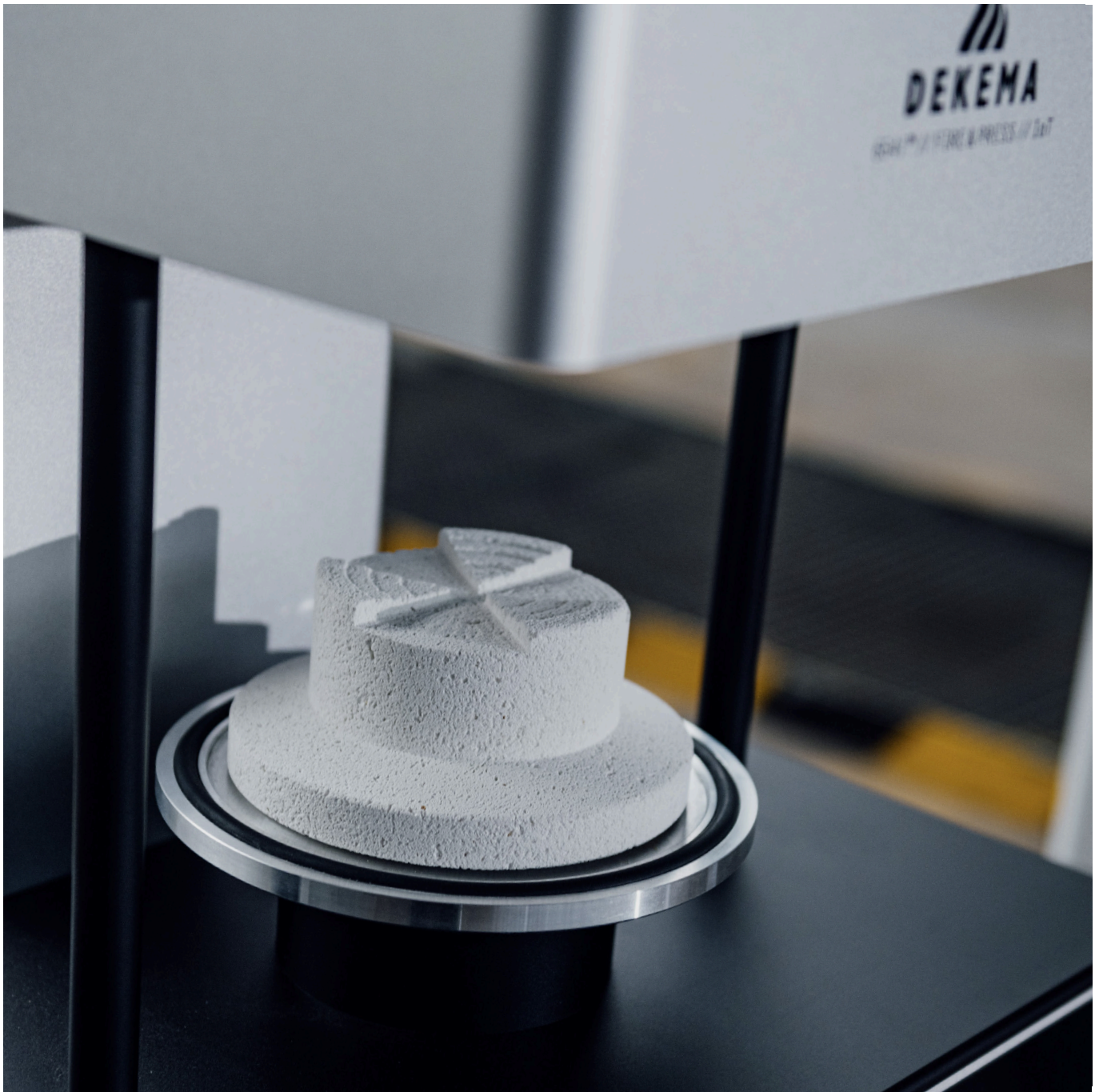




PRODUCT CATALOG // FIRE & PRESS // 2026



AUSTRODMAT™

FIRE

220

The DEKEMA for starters: Fast. Powerful. Intuitive.

AUSTROMAT™ 220

- Stand-alone firing furnace with optional vacuum pump
- 13 kg stable
- Firing, glazing, crystallization and infiltration with and without vacuum
- APEX software with delayed vacuum switch-on point and QR codes for quick access to DEKEMA online
- Fast driving speed of the lift allows instantaneous dry and closing phases
- Lift system made of high-strength aircraft aluminum for more reliable and maintenance-free lift rides
- Self-lubricating bronze guide and reinforced spring of the telescopic piston for smoother closing processes
- Optimized ventilation unit with fixed pump connection hose and integrated pressure gauge
- Plug and play: Place – Power – Perform

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



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.



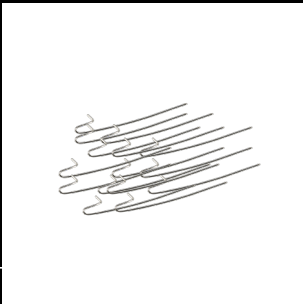
Firing table, fibre Art. No. 101733
Firing table for use in furnaces with fiber insulation.



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™ 224	AUSTROMAT™ 624i™ G2	AUSTROMAT™ 654i™ G2
Size (W x H x D)	10,47" x 20,91" x 10,16"	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	28,5 lbs	42 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
Maximum power supply	1.500 W	1.500 W	1.500 W	1.500 W
T _{max}	1.100 °C	1.100 °C	1.200 °C	1.200 °C

DEKEMA. Device equipment.

	AUSTROMAT™ 220	AUSTROMAT™ 224	AUSTROMAT™ 624i™ G2	AUSTROMAT™ 654i™ G2
Housing: Aluminum				
Corporate Design Customization	–	–	optional	optional
Touchscreen	4,3", color	7,0", color	10,4", color	10,4", color
USB interface / Ethernet interface	– / –	 / –		
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	–	–	–	
Vacuum pump – version DEKEMA 838.3 R	optional	–		
Vacuum pump – DEKEMA AERIS™	–		–	–
DEKEMA ventilation unit	optional	optional	integrated	integrated
DEKEMA AutoDry™ & AUTORITE™	–	–		
MPTA (Multiple Press Time Automatic)	–	–	–	

DEKEMA. Software features.

	AUSTROMAT™ 220	AUSTROMAT™ 224	AUSTROMAT™ 624i™ G2	AUSTROMAT™ 654i™ G2
DEKEMA Internet database access for registered users				
DEKEMA Internet database furnace connectivity	–	–		
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	–			
QM (quality management): Record of process files	–	–		
USB: Transferring firing programs (dds)	–			
USB: Transferring fotos (jpeg)	–	–		
USB: Storage of QM files (dfl)	–	–		
USB: Storage of Printouts	–	–		
USB: Backup / Update	–			
Internet: Backup / Update	–	–		
FTP-Server	–	–		
FTP-Client	–	–		
VNC-Server: VNC viewer for remote control of the DEKEMA furnace on the PC	–	–		
OPC: Industrial standardised connection for data exchange between different systems	–	–		
OPC UA: Secure, manufacturer-independent interface for Industry 4.0 and IoT communication	–	–	optional	optional
Programing languages	–	–	Classic, Professional	Classic, Professional, Press
Language-independent program management			–	–

DEKEMA. Accessories.

	AUSTROMAT™ 220	AUSTROMAT™ 224	AUSTROMAT™ 624i™ G2	AUSTROMAT™ 654i™ G2
Firing table, fibre (Art. No. 101733)				–
Firing tray, set (Art. No. 106490)	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
CALIBRITE™ press set (Art. No. 101818-01)	–	–	–	
trixpress™ ring system, set (Art. No. 101807-01)	–	–	–	optional
trixpress™ press ring, 380 g segments set (Art. No. 107210)	–	–	–	optional
trixpress™ disposable plungers, Ø 13 mm, 50 pieces (Art. No. 105891)	–	–	–	optional
Placeholder, blue color, Ø 13 mm, 50 pieces (Art. No. 101915)	–	–	–	optional
Tweezers, DEKEMA logo (Art. No. 105236)	optional			
DEKEMA Interlock™ unit (Art. No. 107299)	–	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



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