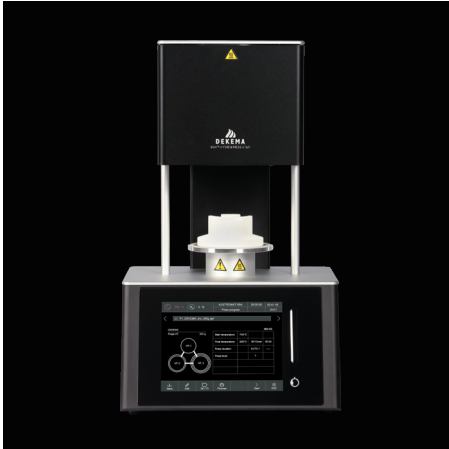




**DEKEMA**  
trix™



**PRINT**

# DEKEMA. Content.

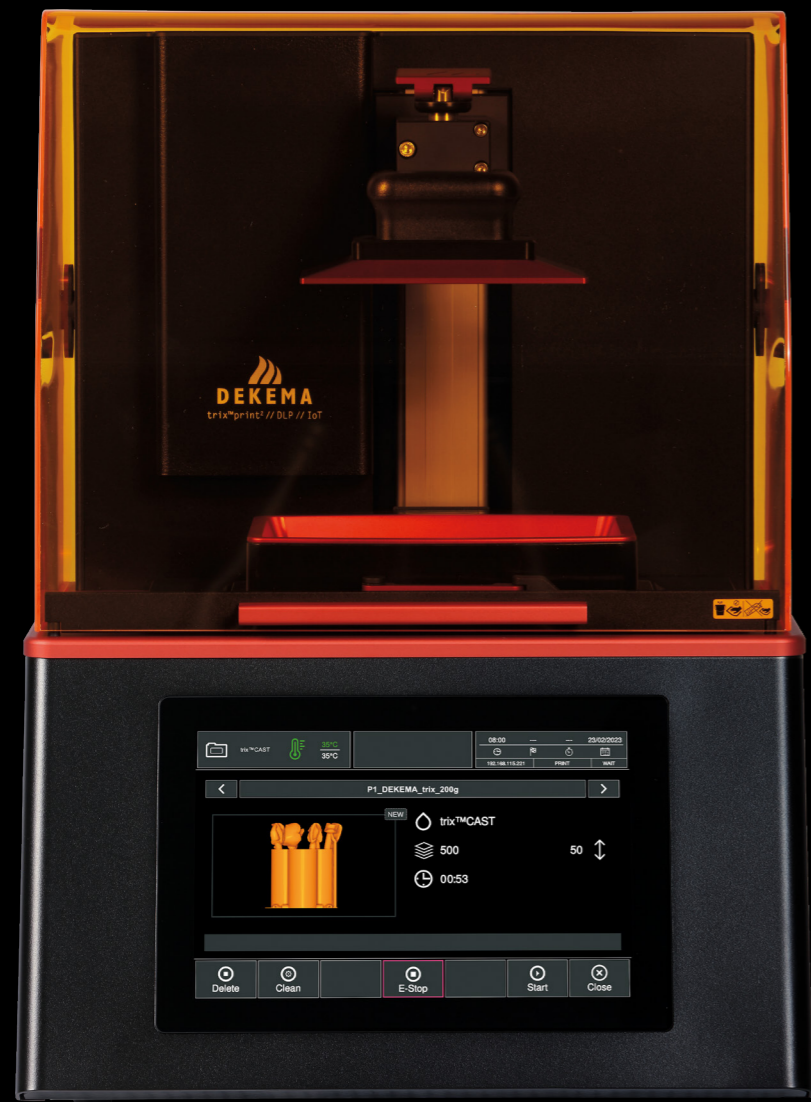
DEKEMA trix™ print²	4
DEKEMA trix™ CAD / trix™ CAM	10
DEKEMA trix™ wash / trix™ cure	18
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**trix**

**TM**

**print<sup>2</sup>**



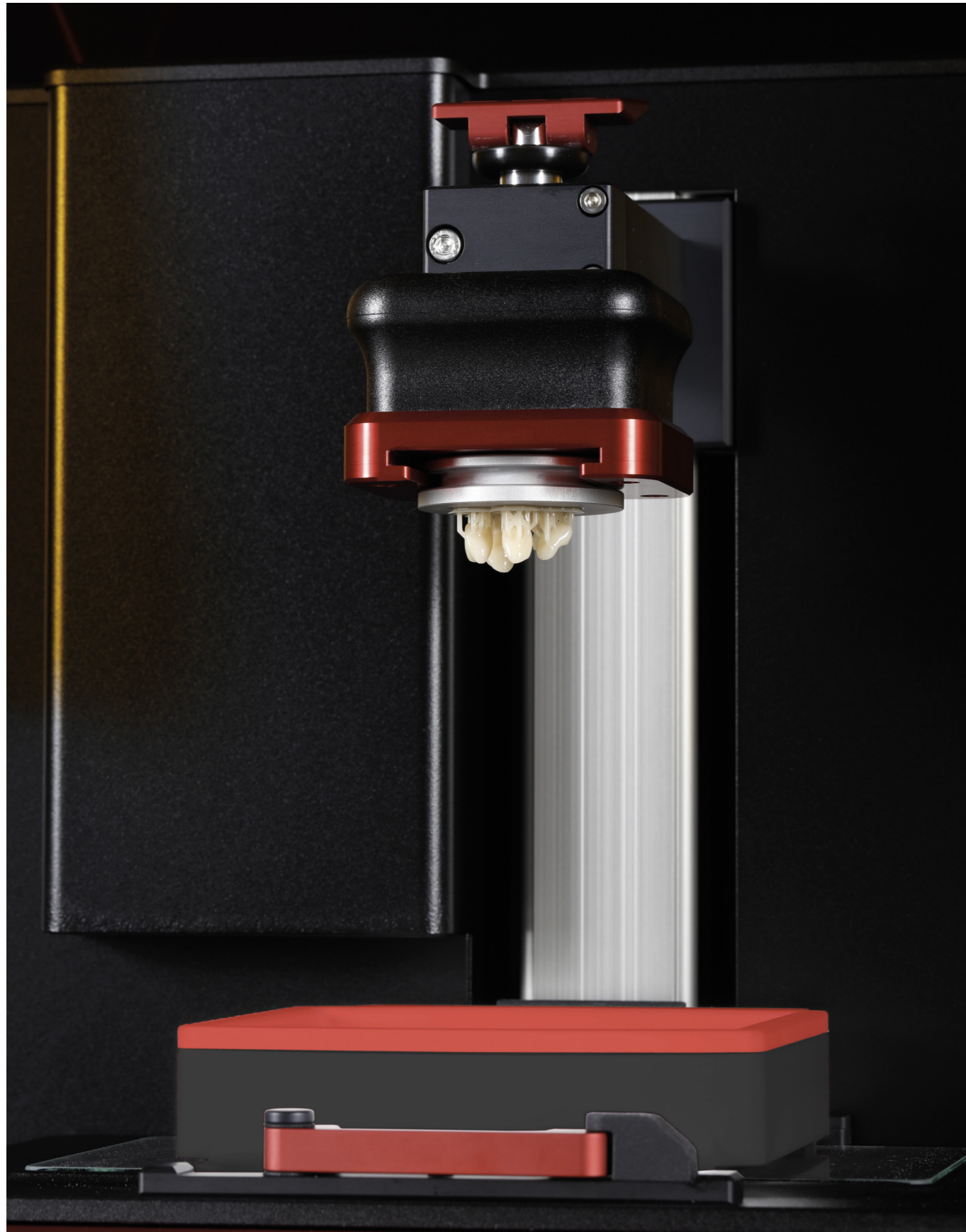
**With precision and efficiency  
into the digital future.**

## **DEKEMA trix™ print²**

### **trix™ print² 3D printer**

With the trix™ print², you can produce fast and reliably reproducible dentures, such as crowns, bridges, veneers, partial dentures, frameworks, bite splints, as well as precise working models and drilling templates.

- » 10,1" multi-touch screen with comprehensive user interface
- » Automated transfer of project specific printing tasks
- » 3D print on top of up to two trixpress™ base plates, or a surface area of 144 x 80 mm with up to 160 mm height
- » Elegant black aluminum housing



### Highest level precision

The DLP projector installed in the trix™print² stands for the highest quality standard and ensures consistent printing with sharp details and a long operating time.

### Web 4.0 connectivity

Via the Web 4.0 connection, you always have the print status of the trix™print² in view, and can also control and monitor it remotely, wherever you are.

The print performance is constantly monitored by the trix™print² and you get a message when printing is finished.

The user-friendly software and easy material selection through the DEKEMA database provides even more efficiency and freedom for your daily work.

**trix**

**TM**

**CAD/CAM**

# trix™ CAD: Worldwide unique – reliable and reproducible.



## trix™ CAD

Automatic generation of the press buildup.



## trix™ print<sup>2</sup>

Direct printing on the trixpress™ base plate.



## Ready!

Best DEKEMA result through a perfectly coordinated workflow.



## Web 4.0 connectivity

The DEKEMA Circle bidirectionally connects all applications and devices.



## trix™ press

Pressing the ring inside the AUSTROMAT™ 654i™



# trix™CAM: User experience<sup>2</sup> – developed with passion for experts.



## trix™CAM

Automatic nesting  
of the print objects  
on the build platform.



## trix™print<sup>2</sup>

Printing of the solid construction  
from the liquid resin.



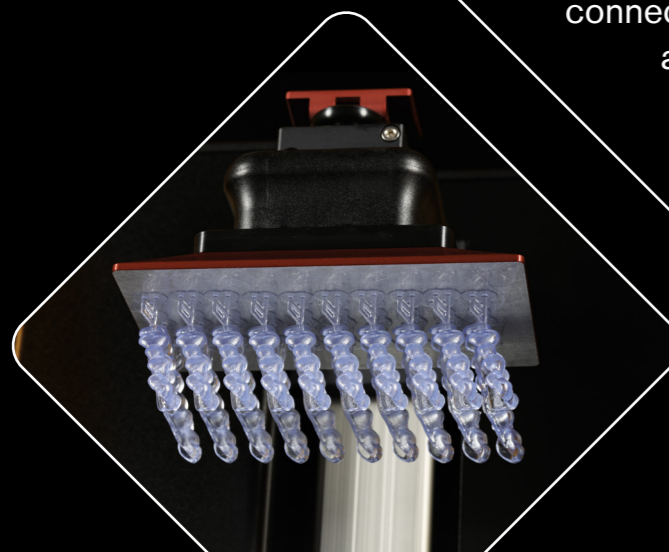
## Web 4.0 connectivity

The DEKEMA Circle bidirectionally  
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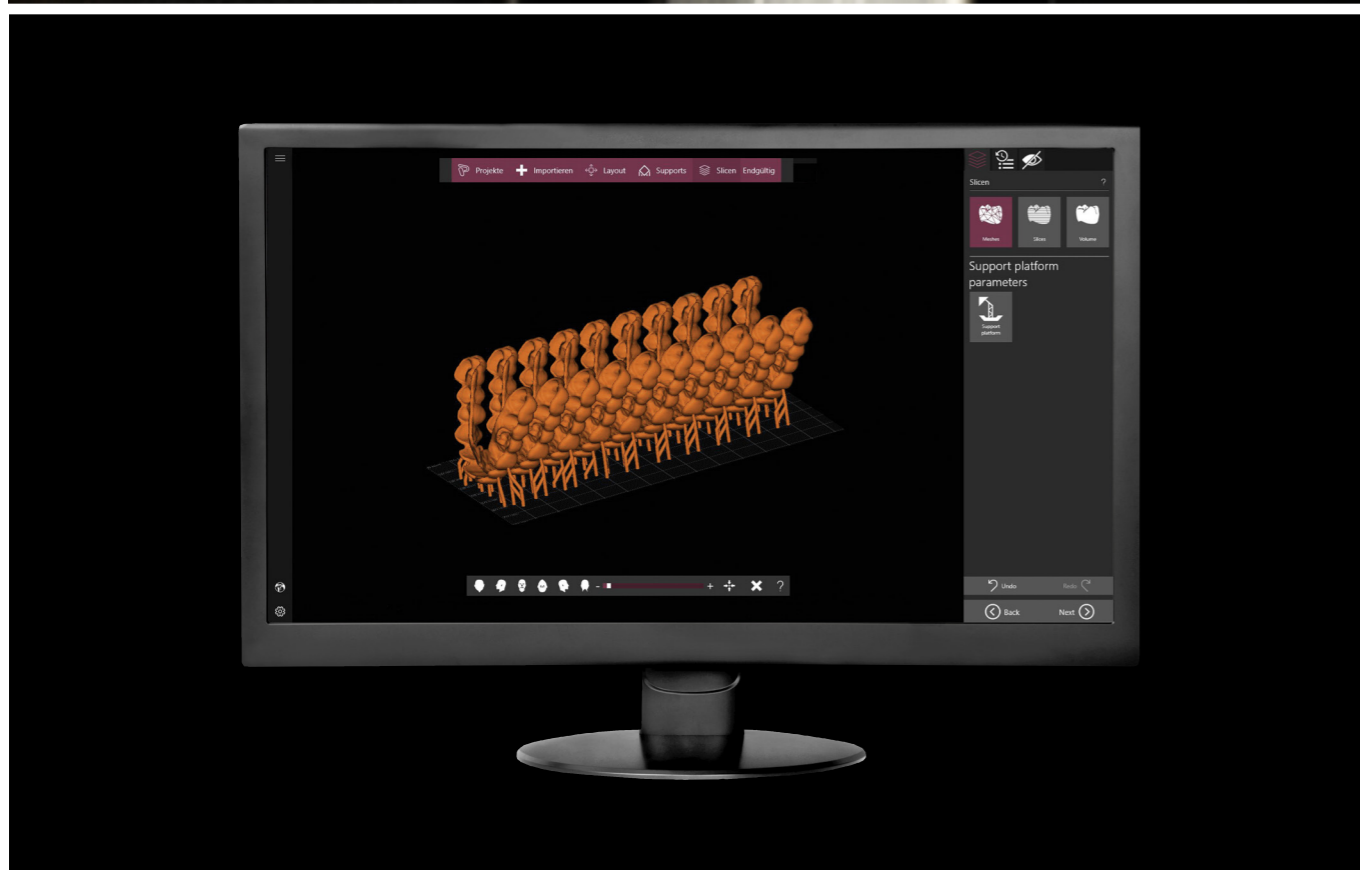
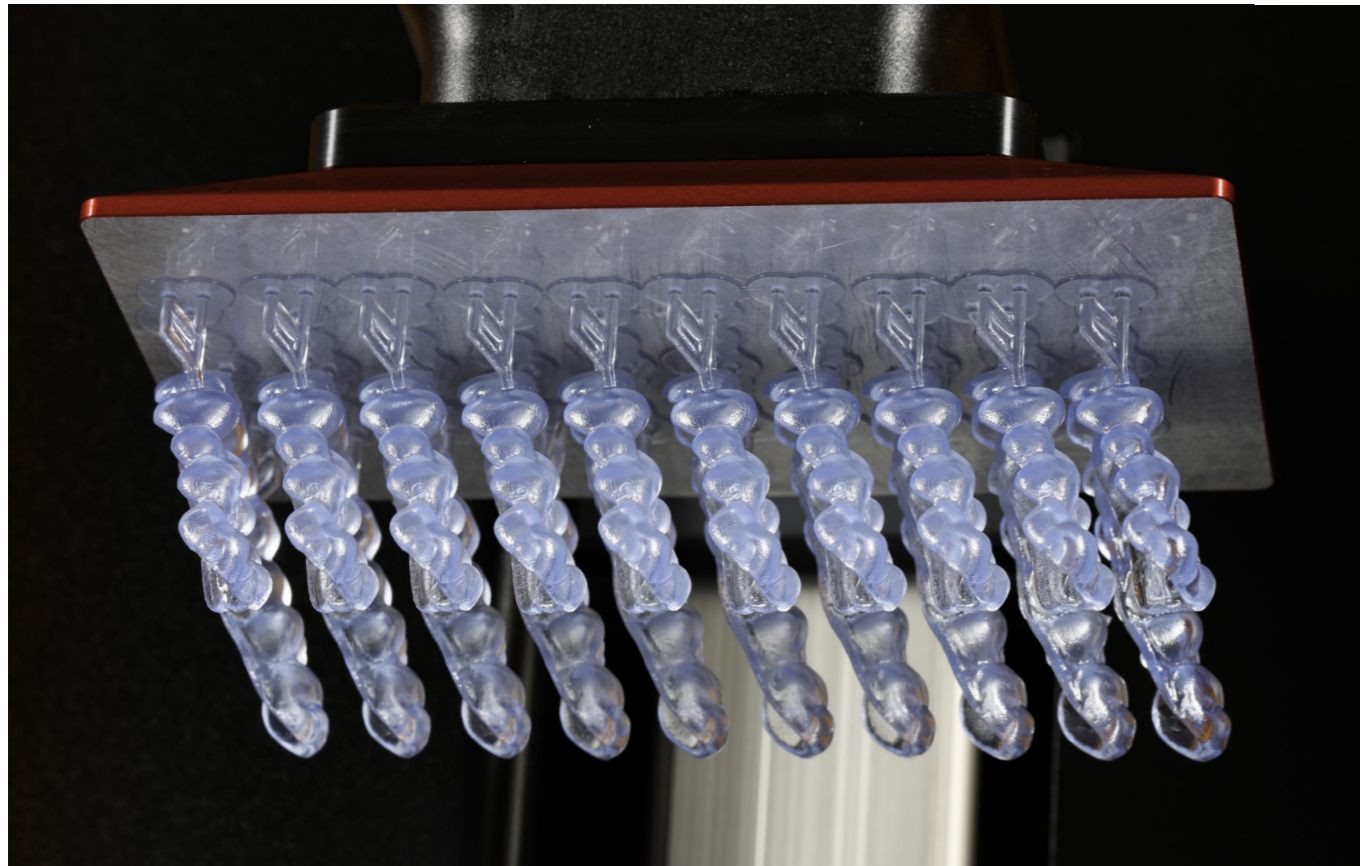


## Ready!

Best DEKEMA result  
through a perfectly  
coordinated workflow.







**Digital Process Management  
for the best results  
and the highest efficiency.**

## **DEKEMA trix™ Software**

### **trix™CAD – The digital printing and pressing process**

- » Selection and assignment of CAD press objects
- » Automatic setup generation
- » Slicing and data transfer to trix™print via DEKEMA Circle

### **trix™CAM – Preparation of the printing process for dentures**

- » Selection of print objects of all common formats
- » Automatic nesting (positioning of objects on the platform)
- » Slicing and data transfer to trix™print via DEKEMA Circle

**trix**

**TM**  
**wash**  
**cure**



# Workflow completed.

## trix™ wash and trix™ cure

### Efficiently and purposefully.

Post-treat your 3D print efficiently and purposefully with DEKEMA trix™wash and DEKEMA trix™cure.

Print object specific process parameters are directly loaded on your device via the DEKEMA Circle. Thus, providing perfect control over the complete workflow, from printing to cleaning to post-curing. No manual settings, no manual programming.

Select your dedicated project, start the process, done. Like the trix™print<sup>2</sup> and series *i* furnaces, trix™wash and trix™cure are already integrated into the DEKEMA online quality management. This supplies an overview of the work you carried out work wherever you are, even years later. Naturally, you might control the equipment remotely via your network.

**trix**

**TM**

**press**



# DEKEMA. Innovation in design and technology.

## AUSTROMAT™ 654i™

### Firing and pressing in perfection

- » Pressing, firing and glazing with or without vacuum
- » Crystallizing and infiltrating with or without vacuum
- » Even heat distribution through closed chamber design
- » Automatic control of the drying and cooling to optimize aesthetics
- » Multiple Press Time Automatic for optimal pressing results
- » Besides all common ring systems, press up to 20 g with the exclusive DEKEMA trixpress™ ring system
- » Press up to 3 different shades in one go, optimizing throughput
- » Even heat distribution over all surfaces of the investment ring which provides for exceptional aesthetics
- » Best-in-class user interface with remote operation
- » Cloud/IoT functionality through DEKEMA Circle
- » DEKEMA AutoDry™
- » In elegant black and silver aluminum housing

### DEKEMA trixpress™

With this patented and worldwide unique system, several plungers and colors get pressed simultaneously. This saves you an incredible amount of time and raises your profit significantly.

### DEKEMA Circle

The DEKEMA Circle connects all of your DEKEMA devices. You profit from online software updates and backups, internet database connection, remote control, and the automatic transfer of project-specific firing, pressing and sintering programs.

### DEKEMA IoT (Internet of Things)

Just register your DEKEMA furnace at DEKEMA online and profit from a secure backup of the process data and fast service to minimize downtime.

### DEKEMA online

By registering for the DEKEMA online service at [www.dekema.com](http://www.dekema.com), you get access to thousands of firing, pressing and sintering programs.

**trix**

**TM**  
**Accessories**

# For the perfect result.

## DEKEMA trix™ sets

### print & place, set for trix™print<sup>2</sup>

Art. # 106631

Set, consisting of large tank and print fundamental.



### print & smile, set for trix™print<sup>2</sup>

Art. # 106633

Set, consisting of small tank, trixpress™ holder for printing on one base plate, base plate trixpress™ anodized.



### print & press, set for trix™print<sup>2</sup>

Art. # 106634

Set, consisting of small tank, trixpress™ holder for printing on one base plate, trixpress™ holder for printing on two base plates, trix™CAST<sup>2</sup>, trixpress™ ring system.



## DEKEMA trix™ Accessories

- ▶ trix™CAST<sup>2</sup>: high-quality acrylate-based light-curing resin for the additive manufacturing of objects for the press and the model casting techniques, Art. # 106690
- ▶ trixpress™ ring system, set: Flexible ring system with base plates for direct printing, Art. # 101807-01
- ▶ trix™vest: Investment compound for flawless ceramic surfaces without reaction layer, Art. # 106290
- ▶ trixpress™ disposable plungers: Disposable press plunger, Ø 13 mm, for single and multiple plunger pressings of all common investment materials and pressable ceramics, Art. # 105891

# The right hardware for every software.

Software license	trix™CAM Printing	trix™CAD Printing and pressing
trix™print <sup>2</sup>	▶	▶
trix™ print & place	▶	▶
trix™ print & smile	▶	▶
trix™ print & press	▶	▶
trix™CAST	▶	▶
trix™CAST <sup>2</sup>	▶	▶
trixpress™ ring system, set		▶
trix™vest		▶
trixpress™ disposable plungers		▶
AUSTROMAT™ 654i™		▶

▶ required    ▶ optional



**trix**

**TM**

**Technical  
data**





## Technical data.

### AUSTROMAT™ 6547™

» Dimension	15,08" x 25,71" x 13,50" (W x H x D)
» Weight	53 lbs
» Maximum firing temperature	1.200 °C
» Maximum power consumption	1.500 W
» Power consumption	95 – 105 V/50–60 Hz or 110 – 125 V/50–60 Hz or 220 – 240 V/50–60 Hz

### Recommended PC requirements for using the trix™CAD and trix™CAM software

» CPU	Intel® Core™ i7-2600
» RAM	6 GB
» Graphic card	Nvidia GTX 560 with 2 GB video RAM
» Screen resolution	1920 x 1080 pixel or higher
» Operating system	Microsoft Windows 10 and later

### DEKEMA trix™print<sup>2</sup> 3D printer

» Dimension	15,39" x 21,61" x 14,37" (W x H x D)
» Size of installation space	5,67" x 3,15" x 6,30" (X x Y x Z)
» Weight	40 lbs
» Power consumption	100 – 240 V/50–60 Hz
» Z precision	> 1 µm
» Light source	385 nm
» Printing speed	70 mm/h (depending on material)
» Layer thickness	> 10 µm (depending on material)



## Technical data.

### **trix™ wash**

» Dimension	15,39" x 10,63" x 14,37" (W x H x D)
» Weight	18,8 lbs
» Capacity	1 liter cleaning fluid
» Power consumption	100 – 240 V, 50/60 Hz

### **trix™ cure**

» Dimension	15,39" x 10,63" x 15,94" (W x H x D)
» Weight	23,4 lbs
» LED	325 (optional) / 365 / 385 / 405 nm
» Inert gas inlet	integrated
» Power consumption	100 bis 240 V, 50/60 Hz



## Evaluated materials for the trix™ print².



A detailed listing of all evaluated materials  
can be found at [www.dekema.com/service](http://www.dekema.com/service)



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