

**Zirkonzahn®**



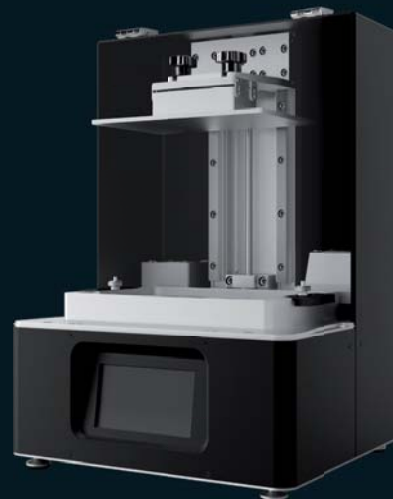
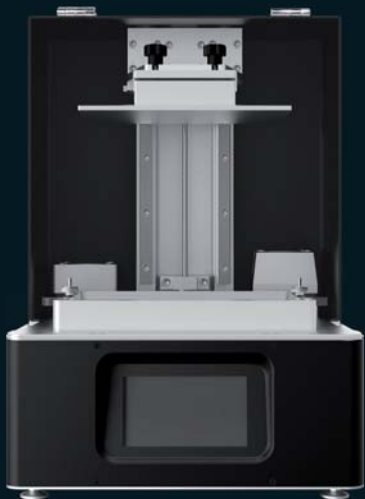
## **P4000 SYSTEM FOR 3D PRINTING**

*A complete, add-on package for Zirkonzahn's digital workflow*

## P4000 SYSTEM FOR 3D PRINTING WITH PRINTER, SOFTWARE, POST-CURING LAMP AND RESIN

*With the new 3D printing system, Zirkonzahn provides dental technicians and dentists with a practical solution for the manufacture of resin dental models. The system, which includes printer, software, post-curing lamp and resin, allows practices and mid-size dental laboratories to benefit from a pre-set package specially conceived for the dental workflow. The complete system with pre-configured settings is particularly advantageous: not only does it ensure full compatibility between all components included, but it prevents the user from spending valuable time testing print parameters or finding the most suitable resins and devices.*

*The P4000 Printer is a space-saving LCD printer equipped with a touch screen with intuitive user interface as well as WiFi, LAN and USB connections for stand-alone operations. Depending on the structure and dimensions, the large printing volume permits the simultaneous production of up to 21 Geller models or 15 full-arch bridges. The resin tray is provided with a state-of-the-art nFEP film permeable to oxygen, which, in combination with the LED panel, enables a distortion-free manufacture of dental objects in a short time. The 3D printer is open-system but works ideally in combination with the Printer Resin Waterbased Beige by Zirkonzahn. This new resin is particularly fluid and shows low shrinkage values, producing highly stable printed objects. Furthermore, it can be cleaned with water, avoiding isopropyl alcohol and solvents. The system also includes the Zirkonzahn.Slicer software with pre-set parameters to generate supports for the different types of dental objects as well as the L300 Post-Curing Lamp equipped with a turntable for uniform curing of the model.*



# P4000 SYSTEM FOR 3D PRINTING

*Pre-configured 3D printing system, with already set print, curing and support generation parameters for different structures. The system includes:*

*P4000 Printer: LCD printer with 4K monochrome display (XY resolution: 0.052 mm), with heatable printing chamber*

*Zirkonzahn.Slicer: Dental software with pre-set and customisable print parameters; compatible with different resins*

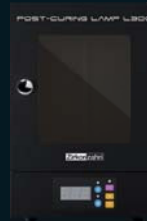
*L300 Post-Curing Lamp: UV LED lamp (365 nm, 385 nm, 405 nm) with turntable for uniform curing of the model*

*The system works ideally in combination with the Printer Resin Waterbased Beige, a particularly fluid resin with low shrinkage values for stable results, which can be cleaned with water in an ultrasonic bath (not certified for intraoral use).*

## BENEFITS

- *Low costs and high performance thanks to LCD technology*
- *Eco-friendly: water-washable resin without isopropyl alcohol or solvents*
- *For mid-size laboratories and dental practices*
- *Space- and time-saving: small size and pre-configured system*
- *Short learning curve and intuitive interface*





## P4000 PRINTER

Size (L x W x H)	29 x 33 x 47 cm
Printing volume (L x W x H)	20 x 12.5 x 20 cm
Weight	17.2 kg
Technology	LCD
Light source	405 nm ParaLED® 3.0 Module
XY Resolution	0.052 mm
Layer thickness	0.05 and 0.10 mm
Printing speed	up to 90 mm/h
Operating voltage	100 – 240 V ~ 50 – 60 Hz
System	Zirkonzahn OS
Operation	5" touch panel
Software	Zirkonzahn.Slicer

## L300 POST-CURING LAMP

Size (L x W x H)	21.5 x 19.5 x 28.5 cm
Inner capacity (L x W x H)	17.5 x 14 x 18.5 cm
Weight	4.2 kg
LED specification	365 nm, 385 nm and 405 nm
UV light intensity	60 W in total
Operating voltage	100 – 240 V ~ 50 – 60 Hz

## PRINTER RESIN WATERBASED BEIGE

Wave length	405 nm
Contents	1 kg/bottle
Density	1.10 g/cm³
Viscosity	60 – 100 cP
Surface hardness	76 Shore D
Flexural strength	65.7 MPa
Flexural modulus	1542 MPa
Glass-liquid transition (T <sub>g</sub> )	65 °C
Cleaning	water, ultrasonic bath

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