

Renfert

making work easy



SIMPLEX 2 SX

NEW Dental 3D filament printing system

NEW SIMPLEX 2 SX

Dental 3D filament printing system



The first fully coordinated 3D filament printing system designed specifically for dental applications. SIMPLEX 2 SX integrates hardware, software, materials, and accessories into a seamless workflow that delivers consistent, reproducible results – without the need for post-processing. Guided processes and smart presets make advanced technology easy and intuitive to use. Whether you are just getting started or looking to optimize existing workflows, SIMPLEX 2 SX provides a reliable and efficient solution.

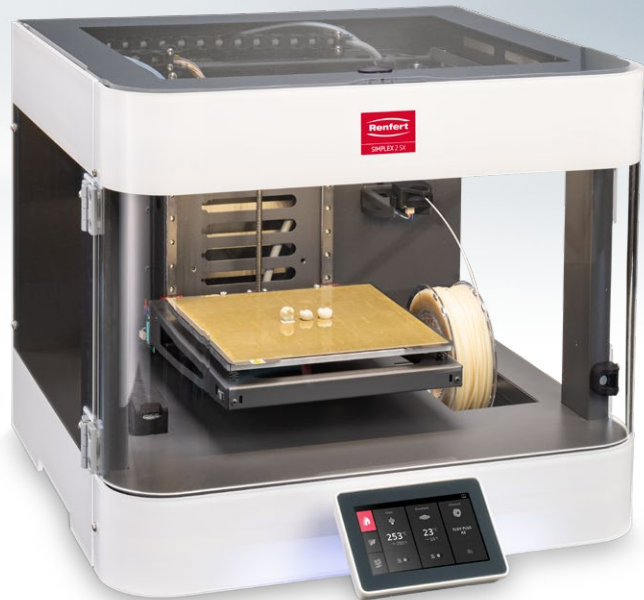
The system supports a wide range of applications – from orthodontic models and customized impression trays to temporary crowns and bridges. Its modular material portfolio includes MDR-compliant filaments as well as practical workflow enhancers like SIMPLEX model isolation and a polishing kit for smooth, high-quality surfaces.

Advantages

- Frees up staff time thanks to immediate print start capability – no prior experience required – and optimized workflows for both dental offices and labs.
- Cost-effective, precise, and future-ready with outstanding print results, at optimized costs and times.
- Clean operation without chemicals thanks to filament technology that eliminates the need for post-processing

Details

- All-in-one system comprising slicing software, optional model designer, printer, dental filaments, and accessories for clean, reproducible results.
- Direct service and support provided from Germany.



Direct data transfer via LAN connection.

Technical data

Permissible mains voltage	120–240 V
Mains frequency / Hz	50/60 Hz
Power consumption	350 W
Temperature range (Nozzle)	300 °C
Temperature range (Print bed)	110 °C
Number of extruders	Single
Type of extruder	Direct Drive Single Extruder
Print bed	Flexible metal plate with special coating ensuring a long service life
Max. printing speed	250 mm/s
Software package	SIMPLEX slice studio
File types	OBJ / STL
Operating system slice studio	Windows 7 and higher
Weight (empty)	28 kg / 61.7 lbs
Dimensions (W x H x D) (Build volume)	523 x 450 x 577 mm
Nozzle diameter (included in delivery)	0,4 mm

Filament diameter	1,75 mm
Sound pressure level (LpA**) / dB(A)	41dB (A)
Internal memory	16 GB
External memory	16 GB
Display size	5"

**) Sound pressure level according to EN ISO 11202

Ordering information

SIMPLEX 2 SX	No. 1734 0000
SIMPLEX nozzle 0.25 mm // Spare part kit Nozzle 0.25 mm	No. 1734 0062
SIMPLEX nozzle 0.40 mm // Spare part kit Nozzle 0.40 mm	No. 1734 0061
SIMPLEX filaments	www.renfert.com/g1122

