

RF1000 3D Printer

Technical data

Category	3D printer
Type	Ready device
Supported printing supplies	PLA, ABS, Polyamide, Laywood, Bendlay, HIPS, NinjaFlex, smartABS, PVA, Laybrick, Nylon, PP, PS
Max. printing width (X)	245 mm
Max. printing height (Y)	200 mm
Max. printing depth (Z)	230 mm
Printing pad features	heatable, exchangeable
Extruder type	Single
Nozzle Ø	0.5 mm
Printed layer thickness (min.)	0.05 mm
Printed layer thickness (max.)	0.4 mm
SD card slot	Yes
Interfaces	USB 2.0
Software	Open Source (RH Cura)
Colour	Silver (satin)
Case material	Aluminium, steel
Width	375 mm
Height	500 mm
T	410 mm
Weight	16.5 kg
Operating voltage	100 - 240 V
Power consumption (max.)	620 W
Features	Single extruder, incl. Franzis Design CAD V24 3D-Print Renkforce Edition software

Highlights & details

- Made in Germany - developed by Conrad's in-house Technology Centre
- Large 230 x 245 x 200 mm print chamber
- Zero-backlash profiled rail guides and ball bearings guarantee high precision
- Automated sheet size detection
- Ceramic hot bed with textured surface
- Precision extruder with exchangeable nozzle
- Durable built-in industry-grade PSU

- Control panel with keypad and display
- **Milling/engraving printer head adapters now available!**

Description

Renkforce RF1000 3D Printer - Technology developed in-house by Conrad!

The RF1000 3D printer, a highly professional tool to create 3D objects, sets new standards when it comes to 3D model making.

The printer allows the quick and effective fabrication of model-based prototypes, workpieces and all sorts of 3D artwork. Whether it's single scale models or limited-quality print runs, the Renkforce RF1000 3D printer has been deliberately designed for a wide range of users.

The printer features a spacious 230 mm x 245 mm x 200 mm print chamber. Lots of space for a wide range of 3D projects.

The use of high quality aluminium, stainless steel and CNC parts as well as industry-standard profiled rail guides and ball bearings guarantee high precision printing and a long service life. The Renkforce can be operated either by PC USB interface or via the built-in SD memory card slot.

The printer comes with a screen that displays all information relevant for the ongoing printing process. A keypad allows you to adjust settings quickly if necessary.

Renkforce RF1000 - More Amazing Features

- Built-in high-durability power supply unit
- Cable tracks prevent lead abrasion/fractures
- The use of high quality metal parts prevents material fatigue
- High-precision extruder with changeable nozzle
- The powerful heating system allows the use of a wide range of materials including ABS, PLA, PET, Laywood etc.
- Automated sheet size detection and smart printing adjustment
- Backlit print chamber
- Ceramic hot bed with textured surface enables straightforward removal of the fabricated object after the cool down

Future-proof!

Renkforce also supplies optional print head adapters for milling/engraving attachments (up to 200W) by leading manufacturers.

Perfect for the fabrication of model-based prototypes, workpieces and 3D artwork including scale and architectural model and a wide range of hobby-related tasks. Suitable for various materials, such as wood, PVC plastic, fibre glass and aluminium.

Also available is a selection of fasteners, such as an aluminium router table including fixings, allowing safe machining of workpieces. This makes the Renkforce RF1000 an extremely versatile tool.

Also currently under development are printer head adapters suitable for lasers, enabling e.g. micro engravings and material surface processing. Means the Renkforce 3D printer will soon turn into the ultimate multitool.

Included in delivery

- 3D printer
- User manual (on SD-card).

Batteries not included.

For milling/etching attachments, see Accessory section.

Choose from two versions:

Proxxon® MICROMOT 50/E (product #1231506)

Dremel® 3000 or Dremel® 4000 (product #1231507)

Product specs, assembly instructions and further useful accessory parts are listed on the product page of the respective attachment and in the user manual (available from the Download section)

Both provide an illustrated easy-to-follow step-by-step guide of how to turn the RF1000 into an etching/milling multitool.