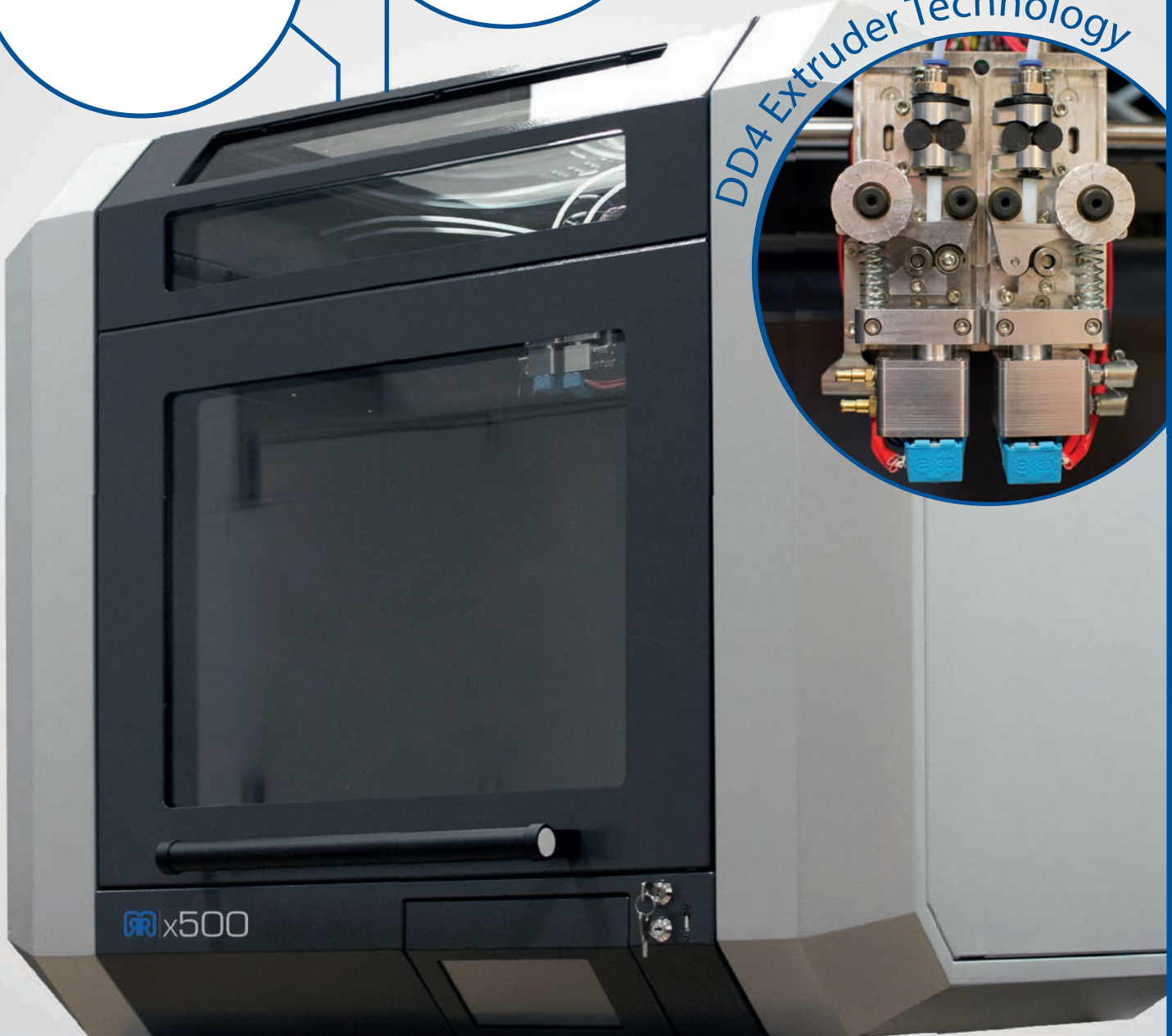


RR | x500
3D PRINTER MADE IN GERMANY

Intelligent Material Handling
Material-management

Heated Building Chamber

DD4 Extruder Technology





SPECIFICATIONS

PRINT

Build platform (X/Y/Z)*
500 x 400 x 450 mm / 19.7 x 15.7 x 17.7 in

Layer height min.
0,1 mm

Print speed
10 – 150 mm/s

Travel speed
10 – 300 mm/s

Filament diameter
1,75 Ø mm

Nozzle diameter
0,4 Ø mm (opt.: 0,25 / 0,30 / 0,5 / 0,6 / 0,8)

Extruder
DD4 Dual Extruder, up to 400° / 752 °F

German RepRap Material Variety
Depending on the application, as well as on size and geometry, a wide range of materials is available. For more information, contact your reseller.

Print technology
FFF (Fused Filament Fabrication)

Ambient temperature 15 - 26°C / 59 - 78.8 °F
Heat Bed up to 120° / 248 °F

Heated Building Chamber 80° / 176 °F

HANDLING

Filetransfer
Stand-alone Printing mit Touch Display
USB-Stick, Ethernet and WLAN optionally

Software
Simplify3D

Operating Voltage
100 - 230 V

DIMENSIONS AND WEIGHT

Outer Dimensions (W/D/H)
1120 x 850 x 955 mm / 44.1 x 33.5 x 37.6 in

Weight
185 kg

OPTIONS

Maintenance Contract

HEATED BUILDING CHAMBER

The heated building chamber (80 °C max) and the new high temperature hot-end (400 °C max) allow to process the latest technical filaments for highly durable parts and functional models. Warping and shrinking effects of conventional Filaments can be reduced effectively.

AUTO BED LEVELING

The print bed is calibrated by the new auto bed leveling function. Surface irregularities are measured and compensated before the print starts. Any manual calibration of the printing bed is now redundant.

FILAMENT FEED CONTROL

The movement of the filament is tracked by sensors in the new DD4 Extruder and synchronized live with the filament feeding. This guarantees a precise and constant material flow during the whole process. Printing Errors caused by twisted Filament spools or by inconsistent material flow are now obsolete.

STAND-ALONE PRINTING

The 7-inch touchscreen allows intuitive operation of the printer. This allows each print job to be started comfortably. Available as standard is a network connection via Ethernet and optionally via WLAN.

DD4 EXTRUDER TECHNOLOGY

The X500 has a completely new precision measuring technology for its DD4 extruder. It allows a variable contact pressure for the filament and has pre-set settings for all GRR filaments. As a result, very brittle as well as very flexible materials can be processed without further knowledge. This enables the X500 to process future material developments precisely. The cooling circuit allows a stable process even at maximum room temperature.

PRECISION IN CONTINUOUS OPERATION

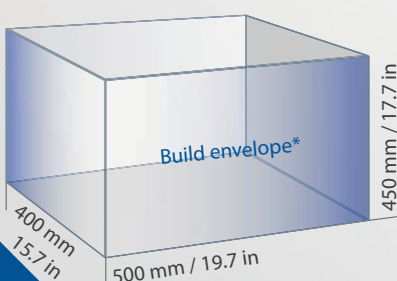
The basic construction of the X500 is extremely stable thanks to the steel frame. The production takes place in Germany with high-quality industrial components. This makes the X500 a long-lasting device that has been designed from the outset for industrial use.

ON SITE SERVICE

Through our worldwide certified partner network, we offer our customers our unique on-site service. In addition to the maintenance and repair services, our partners offer Software and Hardware Trainings.

CHECK OUT WWW.GERMANREPRAP.COM

* Deviations depending on equipment



Presented by

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