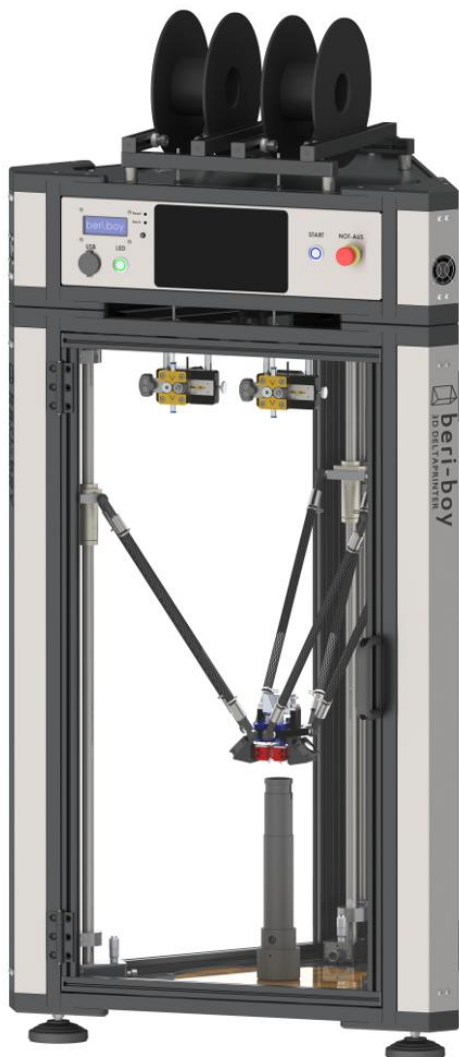




beri-boy

3D DELTAPRINTER



At a glance

- **Engineering quality made in Germany** – reliable and precise printing
- **Free choice of filaments** – optimized for industrial filaments
- **Easy handling** - intuitive software and touch display
- **Safe and low maintenance** – Development and production at our facility in Münster, Germany
- **Support included** - Fast, secure supply of spare parts, personal assistance and service

Technical Data

- Print height up to 400 mm (15,75 in)
- Print area Ø 250 mm (9,84 in)
- Layer resolution from 0,02 mm (20µm)
- Tested and optimized for filaments: ABS, PA, PC, PLA, PET, HIPS
- Print heat up to 300°C (572°F)
- Closed print area, print bed heatable up to 150°C (302°F)
- Software: Simplify 3D
- Print speed: up to 150mm/s (5,91 in/s)
- Dual extruder (optional)

beri-boy 3D delta printer – reliability for industrial use

beri-boy is the name of the 3D delta printing machine of FEINTECHNIK R.Rittmeyer GmbH.

For decades, FEINTECHNIK has been a leader in the construction of high-precision apparatus, machines and special developments.

beri-boy has been consistently designed according to machine-building principles and is designed for demanding industrial use.

Process reliability and flexibility through technical innovation

- Water-cooled hotend for optimal feedrate – at all temperatures
- Spring-loaded print bed – no warpage even at highest temperatures
- Adjustable contact pressure in the extruder for different filaments
- Steep-threaded spindles free from any backlash for utmost precision



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Note: The above presentation may differ from the actual delivery and development status of the beri-boy



beriboy

3D DELTAPRINTER

Support

Personal contact person for all support issues
Free phone support
Online ticket system
Filament-consulting and material guide
Secured supply of spare parts
All included, no additional cost

Filaments

Tested for filaments: ABS, PA, PC, PLA, PET, PETG, HIPS, (PE and PP in preparation)

Print size

Ø 250 mm (9,84 in) x 400 mm (15,75 in) height

Environment and safety

EU Machinery Directive (CE mark)
Low-noise
Emergency stop button

After-sales services

Guaranteed supply of spare parts
Phone hotline
Online ticket system

Drives

0,9" High-Torque-step-motor
1/128 Microstepping for smooth running
32-Bit Radds Board

Control

7" touchscreen with Raspberry 3 print server (repetier) for managing and controlling the printer and safe stand-alone operation
Network internal access to the server
User-friendly software Simplify3D with filament profiles
Printing monitoring via webcam possible

Printing chamber

Closed; 3 doors
LED interior lighting

Dual Extruder (optional)



Heat bed

Can be heated to 150°
Fine adjustment using micrometer screws/ resolution 0.01 mm
Spring-loaded ("Assmann three-point bearing")
Physically and thermally isolated from the machine frame
Largely distortion-free due to floating suspension
Filaprint continuous heat bed
Replaceable printing surface

Guidance system

High helix spindles
Backlash-free spindle nuts due to proprietary "anti-backlash" system
Extra-long linear ball bearings for optimum guidance stability
Maintenance-free linear ball bearings with integrated lubricant unit
Hardened guidance shafts
Low-vibration
Load-optimized basic structure

Extruder

Dual wheel extruder
Synchronously driven gear wheels
Gear wheels are exchangeable and can be optimized for filaments
Reliable material transport, even for flexible filaments
Contact pressure adjustable on filament

Hotend

2 heater cartridges with 40 W power
Liquid cooling
Thermally insulated
PID control for precise temperature +/- 1°
Coated nozzles
Simple assembly and disassembly
Use of different print heads

Effector

Optimized thermal design
Reduced weight for quick movements
Water cooling permanently installed in effector
Filament cooling

Connections

Network
2 x USB port
Wireless internet access



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