

3D PRINTER ROBOXPRO



| OVERVIEW |

RoboxPRO is best suited for large structural parts, with its patented needle valve nozzle control technology RoboxPRO the most efficient high quality dual extrusion machine for prosumers and professionals. Create high quality models, full-size prototypes and end-use parts up to 30% faster.

RoboxPRO offers more state of the art features, higher resolution and better business critical reliability than any other 3D printer. The class leading features of Robox have been expanded for use in this industrial behemoth. This 3D printer is capable of using filled engineering grade materials.

| KEY FEATURES |

- Needle valve nozzle technology for superior dual extrusion printing
- Professional build volume of 210 x 300 x 400 mm
- Upgradeable print-heads for extended and enhanced capabilities
- Integrated 5" touch-screen interface with wireless connectivity
- HEPA filter and active charcoal air purification system
- Climate-controlled build chamber with locking door
- Interchangeable, hassle-free build plate - no glue or tape required
- Web access with real-time monitoring and alerts
- SmartReel™ technology for automatic print settings and costings
- Streamlined work-flow with intuitive AutoMaker™ software
- Adaptive bed levelling and fully automatic hardware calibrations
- Flexible build plate with magnetic fittings for easy removal of parts

Dimensions

Build Size (L x W x H)	210 x 300 x 400 mm
Total Size (L x W x H)	510 x 510 x 610 mm
Filament Diameter	1.75mm ± 0.05mm

Specifications

Print Technology	Fused Filament Fabrication (FFF)
Layer Resolution	50 to 500 microns / 0.05 to 0.5 mm
<i>Presets:</i>	Professional - 100 microns / 0.1 mm Standard - 200 microns / 0.2 mm Fast - 300 microns / 0.3 mm
Temperatures	Nozzles - up to 300°C Bed - up to 150°C
Head Nozzle Diameters	QuickFill™ - 0.3 mm x 0.8 mm DualMaterial™ - 0.4 mm & 0.4mm SingleX™ - 0.6 mm (Olsson Ruby) Fine DualMaterial™ - 0.2 mm & 0.4mm Rapid - 1.2mm
<i>Coming soon:</i>	
Model Materials	ABS, PETG, PC, TPU, nylon & carbon-filled
Support Materials	Soluble & breakaway
Interface	Desktop/laptop, mobile & on-board
Software Bundle	Robox® AutoMaker™
File Types	.stl, .obj
Connectivity	Wi-Fi, USB stick & Ethernet
Air Purification	HEPA & active charcoal air filtration
Software Compatibility	Windows 7+, MacOS X 10.6+ and Ubuntu Linux 12.04+

Additional Features

New SingleX™ Head

RoboxPRO comes as standard with a SingleX head fitted with an Olsson Ruby 0.6mm nozzle. SingleX heads use a standard retract to control flow instead of a valve and have a standard M6 nozzle thread.

RoboxPRO is compatible with all HeadLock™ heads.

3 Print heads included

QuickFill™ - 0.3 & 0.8mm nozzle with a single material feed
SingleX™ - 0.6mm Olsson Ruby nozzle with a single retraction feed
DualMaterial™ - Two 0.4 mm valved nozzles with two material feeds

Touch-screen and remote access

A built in Mote allows print monitoring and remote access via your local network. Connect via Ethernet or Wi-Fi on your computer or via a smartphone.

Huge build volume

210 x 300mm print surface with 400mm of build height gives space for very large parts in a single build. This combined with the huge savings in time and consumables provided by the unique material change in our unbeatable DualMaterial head means no wasted material in purge towers and ridiculous dribble bins.