[r]evoad

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TECHNICAL SPECIFICATION NO. 06/05/2026

REVON 1200

1200 × 600 × 500 mm · Revo OS · OrionUI



An industrial-class large-format 3D printer built for continuous work. A design inspired by CNC machine tools, precisely fitted components and an actively heated chamber give repeatable part quality – including engineering materials.

DESIGN	REVON 1200
Aluminium composite and polymer panels	Thermally insulated build chamber
BTT Kraken electronics, 24 V + 48 V supply	Toolhead with BTT electronics
Electronics bay with dual ventilation	Orbiter-type geared extruder
Mechanical parts in PC-CF / ABS-CF	XY AWD drive (4 motors)

MACHINE	SPEC
BUILD VOLUME	1200 × 600 × 500 mm
TECHNOLOGY	FFF / FDM
MATERIAL	1.75 mm filament on spool
MOTION SYSTEM	MGN9 and MGN12 rails, GT2 9 mm belts
EXTRUDER	Single, reinforced for CF and GF
HOTEND	High Flow – Dropeffect
NOZZLES	0.4 mm standard; 0.6 / 0.8 / 1.0 / 1.2 mm optional
EXTRUDER COOLING	Extruder block fan
PART COOLING	Radial fan on the toolhead
BUILD PLATE	Actively heated
CHAMBER	Active heating, 0.6 kW
FILAMENT SENSOR	Mechanical
SUPPORTS	Model material, removed mechanically
LIGHTING	LED

PRINT PROCESS	NOZZLE 0.4
LAYER HEIGHT	0.09–0.39 mm
MINIMUM WALL	0.45 mm
LEVELLING	Automatic – XY gantry to platform + bed mesh
TRAVEL SPEED	500 mm/s
PRINT SPEED	up to 350 mm/s
ACCELERATION	5,000 mm/s²
VIBRATION COMPENSATION	Input shaper – accelerometer calibration at commissioning

CONTROL	REVO OS
SYSTEM	Revo OS (Klipper / Kalico) with OrionUI screen
SCREEN	7″ LCD touchscreen
BROWSER PANEL	Revo Panel – computer, tablet, phone
COMPUTER	Quad-core
CONNECTIVITY	Ethernet, Wi-Fi
CAMERA	Yes – local view, timelapse
SOFTWARE	[r]evo Slicer / Orca Slicer with Revotech profiles
THIRD-PARTY MATERIALS	Supported
SAFETY	E-STOP, heater monitoring, self-diagnostics
UPDATES	Only from Revotech servers

TEMPERATURES	MAX
NOZZLE	320 °C
BUILD PLATE	100 °C
CHAMBER	60 °C
OPERATING AMBIENT	20–30 °C
STORAGE	5–35 °C

POWER	230 V
SUPPLY	230 V ~ 50/60 Hz, 13 A
MAXIMUM POWER	2.4 kW
INLET	IEC C14
CIRCUIT BREAKER	B16

DIMENSIONS	WEIGHT
EXTERNAL DIMENSIONS	1860 × 860 × 1100 mm
WEIGHT	70 kg
INCLUDED	Basic tool kit

WARRANTY — 12 MONTHS

The machine comes with a **12-month warranty**.

- The warranty does not cover consumable parts, including nozzles, belts, bearings, heaters, thermistors, the moving cable harness and fans.
- The warranty requires consumables supplied by Revotech or agreed with us in writing.
- Mandatory service during the warranty – maintenance, condition check and operating advice – every 6 months or 3,000 working hours.
- Do not leave the machine unattended. Keep the machine and its surroundings clean, in line with workplace safety rules.
- The buyer is responsible for the electrical installation, including earthing to current standards. A fault caused by a faulty installation voids the warranty, and service is charged at Revotech hourly rates.
- Unauthorised hardware or software modifications, or damage from improper use, void the warranty for the whole machine or for the modified components.
- Revotech is not liable for damage resulting from use contrary to these terms and the manual.

COMMISSIONING AND DELIVERY — ON SITE

- Full on-site commissioning: installation, machine test, vibration calibration.
- Additive manufacturing training by practitioners with many years of experience.
- Starter filament profiles for ABS, ASA, PLA and PETG in [r]evo Slicer / Orca Slicer.
- Revo OS user manual and quick guide – in English and Polish.

HOW ELSE WE CAN HELP — REVOTECH

- 3D printing consumables
- Follow-up on-site training
- Outsourced pilot production
- Material and machine configuration advice
- Remote operating support
- Bringing parts into additive production
- Adapting CAD models for 3D printing
- Profiles for your material

TRUSTED BY — CLIENTS

FAMUR · orange · nexteer AUTOMOTIVE · NORLYS

TECHNO PARK GLIWICE · Politechnika Warszawska · Łukasiewicz Instytut Lotnictwa · Straż Graniczna, Komenda Główna Straży Granicznej

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AGH · AGH RACING · OREX Rotomoulding machines · KRAINA MRÓWEK

Let's work together

CONTACT — MON–FRI 9:00–17:00 CET

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