



Weight and physical dimensions	
Printer without a spool holder	520 x 500 x 450 [mm]
Printer with a spool holder	520 x 500 x 570 [mm]
Dimensions of the transport box	600 x 600 x 570 [mm]
Full set weight	28.50 [kg]
Printer weight	14.25 [kg]
Single Plastic Extruder 1.75 weight	0.64 [kg]
Single Plastic Extruder 3.00 weight	0.71 [kg]
Dual PRO Extruder weight	1.00 [kg]
CNC PRO Milling Toolhead weight	0.90 [kg]
Laser PRO Toolhead weight	0.32 [kg]
Thick Paste Extruder weight	0.60 [kg]
Machine parameters (3D printing)	
Printing technology	FFF - (ang. Fused Filament Fabrication)
Toolhead	Single 1.75 [mm], Dual PRO 1.75 [mm], Single 3.00 [mm] *
Layer resolution	0.05 - 0.4 [mm] **
Minimum wall thickness	0.4 [mm] **
Dimensional accuracy	+/- 0.2 [mm]
Work area leveling method	Automatic, Manual
Work area	235 x 250 x 165 [mm]
Material container	Reel
Material diameter	1.75, 3.00 [mm]
Nozzle diameter	0.2, 0.3, 0.4, 0.5 [mm]
Support structures	Mechanically and chemically removed - printed with the same material as the model
Connectivity	USB, Ethernet, SD card
Available Materials	PLA, ABS, PET, Nylon, PVA, HIPS, ASA, TPE, PP, PC, PMMA, PC/ABS
Third party materials	Applicable
Work speed	40 [mm/s]
Travel speed	120 [mm/s]
Machine parameters (laser engraving)	
Toolhead	Laser
Laser spot size for 50mm	0.1 x 0.1 [mm]
Laser spot size for 80mm	0.1 x 0.18 [mm]
Wavelength	450 [nm]
Laser class	4
Laser power	2.8 [W]
Noise	40 [dB]
Work area leveling method	Manual
Work area	235 x 250 x 85 [mm]
Work speed	15 [mm/s]
Travel speed	120 [mm/s]
Available Materials	Wood, wood-like, leather, paper, cardboard, felt, foil, laminate, EPP, EVA Foam, CCL FR4****



Machine parameters (milling)	
Toolhead	CNC spindle
Spindle max power	300 [W]
Noise	70 [dB]
Work area leveling method	Manual
Work area	235 x 250 x 85 [mm] ***
Work speed	0.1 ~ 20 [mm/s]
Travel speed	120 [mm/s]
Available Materials	ABS, Nylon, HDPE, PTFE, PC, PP, POM, PMMA, PVC, HIPS, LDPE, PET, Carbon, CCL FR4, Dibond, TCF, Wood, Wood-like, Aluminum, Brass, Copper, Cardboard, Wax, Modeling board, Styrodur
Tool holding	ER-11 collet
Temperature parameters	
Maximum Printing Temperature (extruder)	max. 250 [°C]
Maximum Printing Temperature (Bed)	max. 125 [°C]
Ambient Operation Temperature	15 ~ 30 [°C]
Storage Temperature	-10 ~ 40[°C]
Electrical parameters	
AC Input	100 [VAC] ~ 4 [A] 50/60 [Hz] 240 [VAC] ~ 2 [A] 50/60 [Hz]
Maximum Power Consumption	350 [W]
Power Consumption with single-head extruder	220 [W]
Power Consumption with Dual-head extruder	230 [W]
Power Consumption with CNC toolhead	330 [W]
Power Consumption with Laser toolhead	80 [W]
Software	
Software Bundle	Voxelizer
Supported File Types	.stl, .obj, .step, .dxf, .png, .bmp
Supported Operating Systems	Windows 7/10 (64 bit) / Mac OS (10.13 or higher) / Linux (experimental)

* Available on special order,

** Depending on the diameter of the nozzle,

*** Depending on the mounted endmill and material,

**** Engraving - only when the surface is covered with black paint.