

Expected technical data PERFORMER260

Excellent print head properties	Number of extruders	4
	Number of print heads	4
	Print head changing system	Change via unique print head/tool magazine
	Filament refilling during printing	Filament from unused nozzles can be filled in the magazine during printing, the nozzle cleaned and heated to extrusion temperature
	Duration of material change time at dual printing	< 5s
	Nozzle diameter	0.3 – 1.0 mm
	Filament diameter	1.75 mm
Großer Bauraum	Max. build size	450 x 450 x 350 mm
	Max build weight	100 kg
	Build chamber vol.	70 litres
High temperatures in the printer for flexible use	Nozzle temperature	Up to 450° C
	Chamber temperature	Up to 260° C
	Print bed temperature	Up to 270° C
Large variety of materials (selection)	Open material system	Material recommendation, no manufacturer commitment
	High performance polymers	PEEK, ULTEM™9085, ULTEM™1010
	Filled Polymers	PEEK-CF30
	Engineering Polymers	ABS, ASA, PC, PA6, PA12
	Multi-Material-Printing	Using multiple matching materials in one print job
Excellent printing properties	Max. printing speed	200 mm/s
	Max. Material output	0.5 kg/h
	Accuracy of print length dimensions	±0.5% of edge length, minimum ±0.05 mm
	Minimum layer thickness	0.05 mm
	Minimum wall thickness	0.3 mm
	Printing bed adhesion	Adhesion via vacuum table
	Material end detection	Monitoring of residual material quantity
	Stop&Go feature	Pause the print e.g. to refill material is possible
Precise linear system	Drive systems for the X/Y/Z axis	Highly dynamic ball screw drive system
	Position accuracy of the axes	< 0.02 mm
	Max. travel speed	300 mm/s
	Calibration of the Z-axis (print bed calibration)	Automatic Bed-Leveling by special high-temperature scanner head
Industrial Printer Control and Interface	Printer Control	BOSCH-REXROTH PLC
	Operation	Operation via large 15 inch touch panel and LAN interface possible
	Slicer	Modified Slic3r or Simplify3D
	Housing size (W x D x H)	2300 x 1800 x 2100 mm (a door width of at least 900 mm is required for delivery to the installation location)
Basic data	Weight	approx. 1300 kg
	Volume	approx. 55 dB
	Electrical connection	400 V /32 A
	Pneumatic supply	200 litres/minute 6 bar