

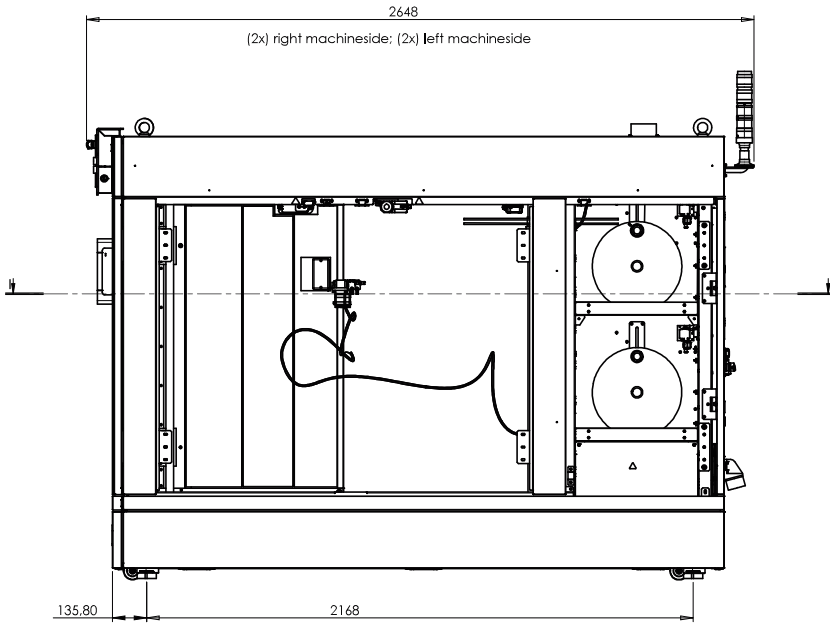
## BigRep PRO - Data Sheet



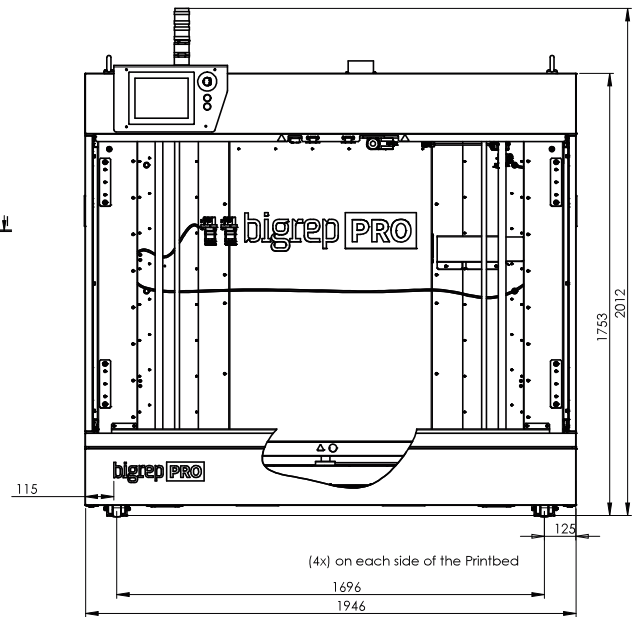
A large-format 3D printer designed for high productivity in industrial manufacturing environments. The BigRep PRO is an additive manufacturing system with the speed and reliability to boost your production with high-quality industrial parts. Powered by a state-of-the-art Bosch Rexroth CNC Control System and BigRep's Precision Motions Portal, the PRO delivers unprecedented speed, precision and quality in an industrial AM system.

Property	Value	
Build Volume	single T0: x 970 y 970 z 985 (mm <sup>3</sup> ) single T1: x 1020 y 970 z 985 (mm <sup>3</sup> ) dual: x 945 y 970 z 985 (mm <sup>3</sup> ) fully enclosed	
Materials	Engineering Polymers ASA, ABS, PA6/66, TPU Standard Polymers PRO HT, PETG Support Material: Soluble (BVOH) 3rd party material compatibility	
Portal and Control	Bosch-Rexroth SPS, 32 sensors	
Dual Extrusion	MXT + ACE (default) Optional dual MXT, dual ACE	
Extruders	<b>MXT</b>	<b>ACE</b>
Extrusion technology	Metering-Extrusion-FFF (MXT) for fast and precise material deposition	Advanced Capabilities Extruder (ACE) for materials versatility, "Direct Drive Extrusion"
Print Speed Factor	2x faster than the ONE	1.5x faster than ONE
Max. Extruder Throughput with 1mm nozzle	230 g/h	130 g/h (115 cm <sup>3</sup> /h)
Max. Nozzle Temperature	300°C	280°C
Nozzle Diameter	1.0 mm	0.6 mm 1.0 mm (default)
BigRep Materials	PA6/66	ASA, ABS, PA6/66, PRO HT, PETG
Support Material	Breakaway	Soluble (BVOH) and Breakaway
Filament Diameter	2.85 mm	
Layer Height	300 µm, 600 µm (100-1200 µm supported through slicer software)	
Material Storage	Sealed keep dry filament chamber supporting p to 8 kg spools	
Max Print Bed Temp.	80°C	
Printer Dimensions x,y,z (mm) (with tower light)	metric x 1950 y 2500 z 1790 (2105) (mm) inches x 77 y 98 z 70 (83) (inch)	
Approx. Net Weight	1550kg	
Power	3 Phase 400V AC, N, PE Power consumption 6100W	
Certification	CE, EC Machinery Directive 2006/42/EC Compliant	

### Side view without doors



### Front view without doors



### Top view

