The Stratasys H550™ 3D printer
Specification Sheet

The Stratasys H550™ 3D printer, powered by Selective Absorption Fusion™ (SAF™) technology, is designed to deliver large applications, high throughput and attractive production economics. Its 365 × 208 × 450 mm build dimensions accommodate applications ranging from UAV components and orthotic devices to hundreds of small-to-medium production parts in a single build. Produce accurate, functional parts consistently while achieving efficient throughput and cost per part.

The H550 gives you the flexibility to optimize production around your applications. Reuse unfused powder to lower material costs, tailor print settings to meet specific part requirements and rely on SAF technology for accurate, repeatable results throughout the build. Choose the finishing processes and equipment that best fit your workflow to maximize efficiency from printing through final production.

3D Printer Specifications	
Printer Performance	
Effective build size (xyz)	365 x 208 x 450 mm (14.30 x 8.18 x 17.71 in)
Effective build volume	34.2 l (9.03 gallon)
Layer thickness	100 µm (0.004 in)
Time to a full build (print time)	SAF PA12 - 16.5 hrs
Power and Operating Requirements	
Power requirements	400VAC, 3P+N, PE, 50-60 Hz, 16A
Consumption	3.25 kW, 5 kW peak, 0.15 kW idle
Operating temperature	20-25 °C (68-77 °F)
Humidity	40-55% RH
Extraction rate	300 m³/h (177 CFM) with adjustable damper
Dimensions and Weight	
Printer dimensions (W x D x H)	1900 x 940 x 1730 mm (74.8 x 37.0 x 68.1 in)
Printer crate dimensions (W x D x H)	2156 x 1196 x 2100 mm (84.9 x 47.1 x 82.7 in)
Printer weight	825 kg (1819 lb)
Crated printer weight	950 kg (2094 lb)
Connectivity and Software	
Network requirements	RJ45 Ethernet connection, 35 MBit network with DHCP server. Internet access recommended.
Supported software workflow	GrabCAD® Print Pro™, GrabCAD® Print Server, GrabCAD® Streamline Pro, Materialise Magics, Siemens NX and PTC Creo
Certificates	
Safety	EN ISO 12100:2010
Electromagnetic	DIRECTIVE 2014/30/EU
Environmental	REACH, RoHS, WEEE, Modern Slavery Act, CoA, CoC, Conflict Minerals regulation, TSCA
Materials	
Powder	SAF™ PA12
Fluid	Stratasys HAF™ High Absorption Fluid

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Warranty and Service	
Category	**Details**
Warranty	1 year limited warranty. Warranty includes printheads and printer consumables.
Service	Service plans include printheads and printer consumables.

Notes: H550 printer consumables refers to H550 parts that wear out relatively frequently and need replacement by the customer. H550 printer consumables do not include H550 materials, HAF or powders, and do not include other materials required for maintenance of the H550 such as cleaning fluids, gloves and swabs.

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