

Product specifications

pam o2 HT is a 3D printer dedicated to the manufacturing of performance thermoplastic parts using industrial injection molding pellets and your proprietary chemistries (formulations, blends, compounds). It is the most versatile 3D printer enabling to handle the widest variety of materials to create functional prototypes, toolings and small and medium scale series.

- Full setup control
- Performance thermoplastics
- High temperature solutions
- Multi-material & Multi-resolution
- Modular solution
- TPEs from Shore 00 to Shore D

General specifications	3D printing process	Pellet Additive Manufacturing (PAM)
	Number of extruder	2 HT
	Physical Dimensions	Ø 834 x H 925 mm - 95 kg
	Maximum print volume	Ø 300 x H300 mm (no radiant disc) Ø 270 x H300 mm (with radiant disc)
	Power	3 500 W
	Power requirements	230 V ~ 8 A - 50Hz - 60Hz - IEC 60320 type C20
	Print head	Nozzles sizes
Stepper motor resolution		40µm (Z) and 5µm (X,Y)
Maximum extrusion temperature		450°C
Maximum print bed temperature		150°C - 200 °C optional
Maximum heating room temperature		90°C
Maximum local radiant disc temperature		300°C
Materials		Grades
	Compatible materials	Performance thermoplastics, TPEs Fillers: fiber, mineral, natural
	Maximum viscosity	6 000 Pa.s at negligible shear and process temperature
	Granulometry	Head cutting, cold cutting
	Pellet size	2 - 4 mm
	Supplier	Open
	Software	CAD solution
Slicing		Cura by Pollen AM
Control software		HoneyPrint
Network communication		Ethernet protocol

No special facilities needed

You can install a pam system just about anywhere.
No access to gas, air or fluid required.

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Note: All specifications are approximate and subject to change without notice.

