pam o2 HT

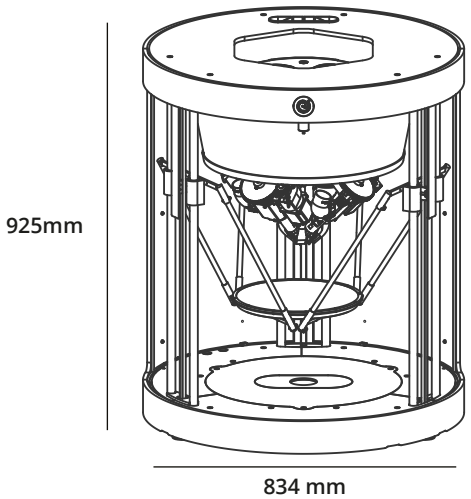
Product specifications

pollen
your chemistry inside

pam o2 HT is a 3D printer dedicated to the manufacturing of performance thermoplastic parts using idustrial 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	Ø300 * H300 mm (no radiant disc). Ø270 * H300 mm (with radiant disc)
	Power	3 500 W
	Power requirements	230 V ~ 8 A – 50Hz - IEC 60320 type C20
Print head	Nozzles sizes	Ø 0.25 - 0.3 - 0.4 - 0.6 - 0.8 - 1.0 - 1.2 - 1.5 - 2.0 - 2.5 mm
	Stepper motor resolution	40µm (Z) and 5µm (X,Y)
	Maximum extrusion temperature	450°C
	Maximum print bed temperature	150°C - 2O0 °C in option
	Maximum heating room temperature	90°C
	Maximum local radiant disc temperature	300°C
Materials	Grades	Injection molding pellet materials
	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	Open (not supplied)
	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.