

Product specifications

pam o2 is a 3D printer dedicated to the manufacturing of 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
- Industrial thermoplastics
- Mechanical & aesthetical quality output
- Multi-material & Multi-resolution
- TPEs from Shore 00 to Shore D
- Filled materials compatible

General specifications	3D printing process	Pellet Additive Manufacturing (PAM)
	Number of extruder	Up to 4
	Physical Dimensions	Ø 789 x H 925 mm - 75 kg
	Maximum print volume	Ø 300 x H 300 mm
	Power	3 200 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	350°C
	Maximum print bed temperature	150°C
	Heating room	No
	Local radiant disc	No
Materials	Grades	Injection molding pellet materials
	Compatible materials	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.

