

# Product specifications

Pam Series MC is a 3D printer dedicated to the manufacturing of metal and ceramic parts using industrial pellet shape feedstock. 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
- Most profitable PIM-Like solution
- No volatile powders for no health risks
- Multi-material & Multi-resolution
- Compatible with all PIM post-processing
- Compatible with thermoplastics & TPEs

<b>General specifications</b>	3D printing process	Pellet Additive Manufacturing (PAM)
	Number of extruder	Up to 4
	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
	<b>Print head</b>	Nozzles sizes
Printing resolution (layer height)		40 µm - 1.2 mm
Maximum extrusion temperature		450°C
Maximum print bed temperature		150°C - 250 °C in option
Maximum heating room temperature		70°C
Maximum local radiant disc temperature		300°C
<b>Materials</b>		Grades
	Compatible materials	Metal & Ceramic feedstocks, Thermoplastics & TPEs
	Maximum viscosity	6 000 Pa.s at negligible shear and process temperature
	Granulometry	Head cutting, cold cutting
	Pellet size	2 - 4 mm
	Supplier	Open
	<b>Software</b>	CAD solution
Slicing		Cura by Pollen AM
Control software		HoneyPrint
Network communication		Ethernet protocol

## No special facilities needed

You can install a Pam 3D Printer just about anywhere.  
No access to gas, air or fluid required.

## Pollen AM Headquarter

19 rue Marceau  
FR-94200 Ivry-sur-Seine  
France  
+33 (0)1 58 46 20 52  
[contact@pollen.am](mailto:contact@pollen.am)

