![pollen logo]
your chemistry inside

Product specifications

Discover our largest, fastest, and most user-friendly pellet 3D printer to date, crafted from a decade of expertise in additive manufacturing.
Experience a colossal build volume and printing speeds 6 times faster than the pam o2, all through an intuitive interface.
From industrial-grade materials to eco-friendly efficiency, it offers unparalleled versatility, reliability, and return on investment.
Push the boundaries of what's possible—print smarter, faster, and bigger than ever before.

- Ready to use material portfolio
- Most cost-effective materials
- Large build volume

- Production run capacity
- Future-proof, continuous updates for lasting performance
- Designed for all flexible materials

General specifications

Additive manufacturing process	Pellet Additive Manufacturing (PAM)
Number of extruders	Up to 2 - Idex
Physical Dimensions	1 166 x 1 123 x 1 855 mm - 330 Kg
Maximum print volume	680 x 680 x 500 mm
Noise specification	46 dB maximum during build, 35 dB when idle
Operating environment	Operating: 15 – 30 ºC, 30 – 70 % RH Storage: 0 – 35 °C, 20 – 90 % RH
Power	3 500 W
Power requirements	230 V ~ 8 A – 50Hz - IEC 60320 type C20

Print head

Nozzle sizes	From Ø 0.25 to 2.5 mm
Maximum extrusion temperature	300°C
Print bed - Build chamber	150°C - Heated (optional)
Material hopper	Extruder automatic refilling, pellet run-out sensor
Calibration	Fully automated
AI camera	Monitor and record production in real time AI-powered defect detection (coming soon)

Materials

Grades	Injection molding pellet materials
Material portfolio available	PLA, TPE (45 Shore A), TPU (85 Shore A), PP 15GF, PA 15GF, BVOH (water soluble material)
Qualification services	On demand

Software & control

File format	STL, OBJ, Gcode
Recommended slicer	Cura by Pollen AM
Control software	HoneyPrint web control
Network communication	Ethernet protocol, Wifi optional

Other

Standard certifications	CE (low-voltage and EMC directive)
Standard safety equipment	Door Interlocks, Locking Access Panels
Minimum system requirements	Intel Core 2 or AMD Athlon 64 or Apple M1 1.3GB available hard disk space 4GB RAM memory
Touchscreen	Colour, 17.8 cm (7 in) vertical extension, 5 touch points
Optional ancillary equipments	Pellet Dryer, HEPA filter, QuickCleaner Pellet

No special facilities needed

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

Pollen AM Headquarter

52 avenue Pierre Semard
FR-94200 Ivry-sur-Seine
France
+33 (0)1 58 46 20 52
contact@pollen.am

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

FRONT VIEW   SIDE VIEW

1 855 mm
330 kg
1 166 mm
1 123 mm