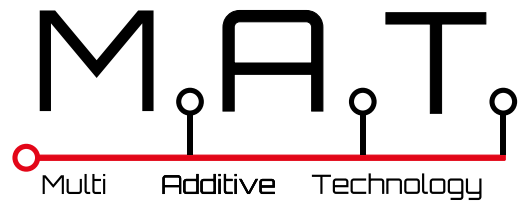
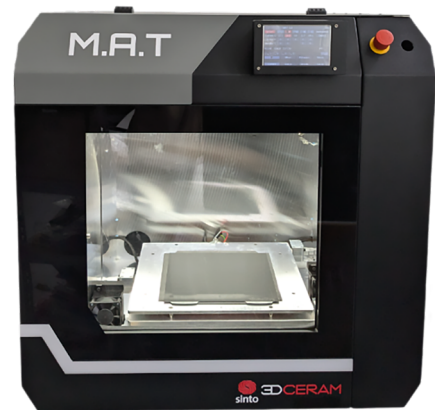


About 3DCERAM's M.A.T.



3DCERAM presents its M.A.T. machine - the one-stop solution for extrusion technologies.

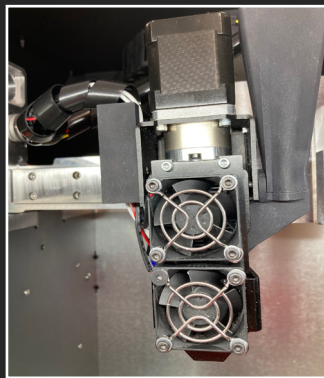
The machine has three different extrusion heads for printing and are complemented by a CNC tool for green machining the printed parts.



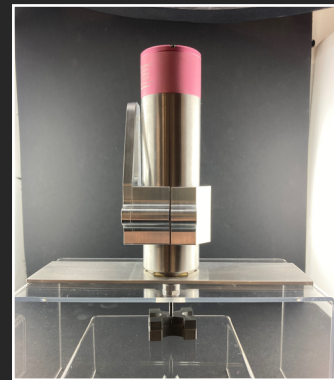
3DCERAM heads for M.A.T.



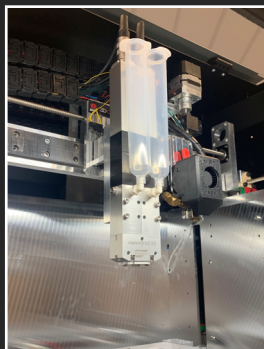
FFF Head for working with ceramic and metal filaments



Direct Pellet Extrusion (DPE) Head for working with ceramic and metal pellets



CNC Tool 3-axis for green machining of printed parts before firing



Extrusion Head (one-component or two-components) for ceramics, metal (and silicone)



“The modular machine designed to integrate several technologies”

Specifications

- **Dimensions:** 75 (W) x 65 (D) x 80 (H) cm
- **Print Volume (M.A.T. Basic):** 240 (W) x 240 (D) x 250 (H) mm
- **Print Volume (M.A.T. Premium):** 200 (W) x 200 (D) x 250 (H) mm*
- **Supply:** 230V, 16A, 50Hz
- **Machine Housing:** Steel

**reduced build volume due to dual-head configuration*

Compatible heads:

- **FFF** (Fused Filament Fabrication)
 - **DPE** (Direct Pellet Extrusion)
 - **Paste Extrusion**
 - **CNC Milling** (Computerised Numerical Control)
-
- **Type of Printer:** Direct Extrusion
 - **Max. Nozzle Temperature:** 270°C
 - **Max. Bed Temperature:** 110°C
 - **Max. Filament Chamber Temperature:** 60°C
 - **Max. Printer Chamber Temperature:** 45°C
 - Closed Loop Stepper Motors
 - Compatible with Cura/Slic3r/Simplify 3D
 - 3DCERAM proprietary software for hybrid process (printing + machining)

Suitable for all:

Ceramics pellets/filaments

- Zirconia
- Alumina
- Silicon Carbide

Metal pellets/filaments

- Stainless Steel (316L, 17-4PH)
- Titanium
- Copper

- **Compatible filaments and pellets can be supplied with the printer**
- **Datasheet and print parameters of individual materials to be supplied on request**
- **Custom development of filament and pellets with customer powder possible**

Want to know more about the M.A.T?

Get in touch with us:

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3DCERAM Sinto

