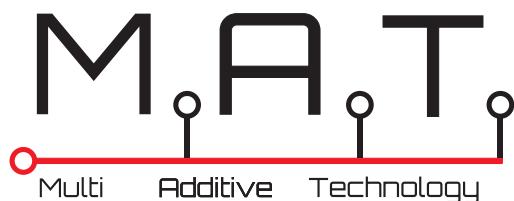


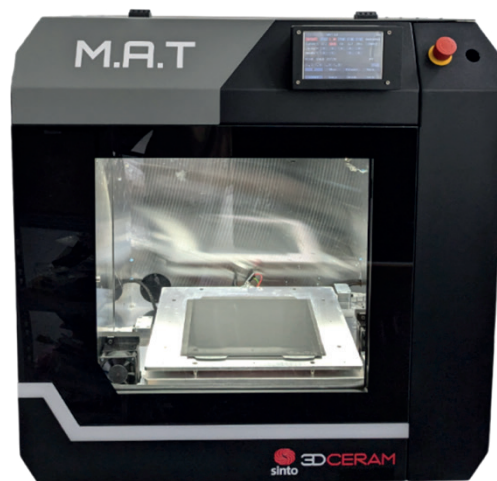


3DCERAM[®]

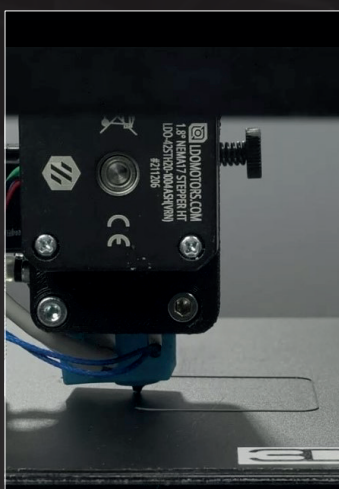


About 3DCeram's M.A.T.

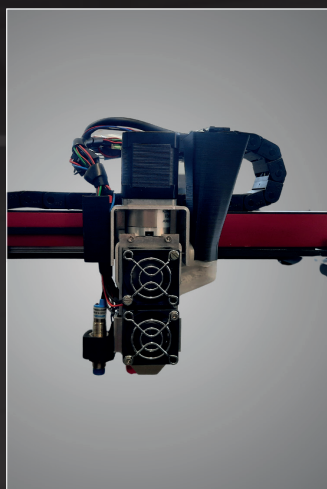
3DCeram presents its M.A.T. machine - the one-stop solution for extrusion technologies. The machine has three different extrusion heads for printing and are complemented by a CNC tool for green machining the printed parts.



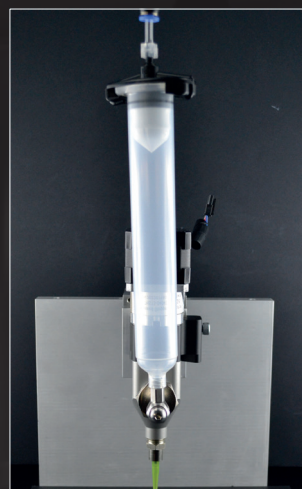
3DCERAM heads for M.A.T.:



FFF Head for working with ceramic and metal filaments



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



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



Double Extrusion Head



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

“The modular machine designed to integrate several technologies





Specifications

- **Dimensions:** 75 (W) x 65 (D) x 80 (H) cm
- **Print Volume:** 20 (W) x 20 (D) x 20 (H) cm
- **Supply:** 230V, 16A, 50Hz
- **Machine housing:** Steel

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
 - **Maximum Filament Chamber Temperature:** 50°C
 - **Maximum Printer Chamber Temperature:** 50-60°C
 - **Closed Loop Stepper Motors**
 - **Open-Loop Active Carbon Filter**
 - **Vacuum-assisted chip collection system**
 - **Compatible with Cura/Slic3r/Simplify 3D**
 - **3DCeram proprietary software for hybrid process (printing + machining)**
-
- **Suitable for all:**
 - **Metal Pellets/filaments**
 - Stainless Steel (316L, 17-4PH)
 - Titanium
 - Copper
 - **Ceramics pellets/filaments**
 - Zirconia
 - Alumina
 - Silicon Carbide
-
- **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:

info@3dceram.com

3DCeram Sinto

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