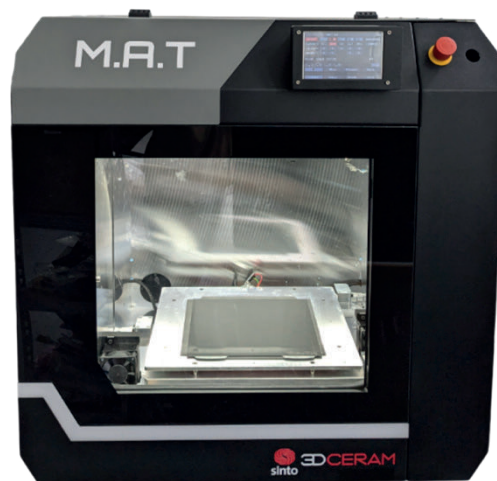


# M.A.T.

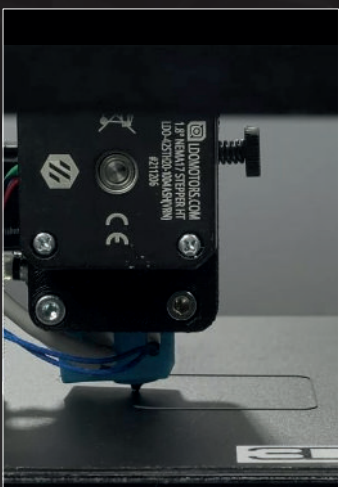
Multi Additive Technology

## About 3DCeram's M.A.T.

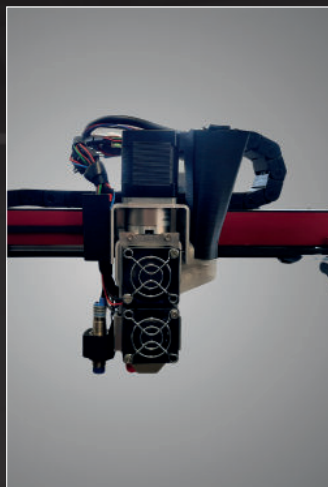
3DCeram presents its M.A.T. machine - the one-stop solution for extrusion technologies. The machine has three different extrusion heads for printing and are complemented by a CNC tool for green machining the printed parts.



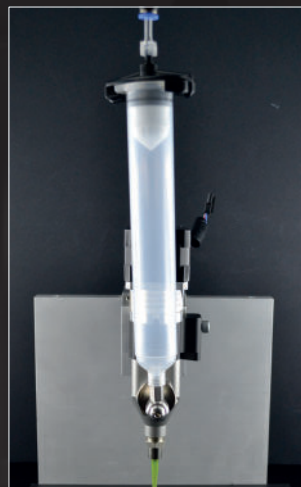
## 3DCERAM heads for M.A.T.:



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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