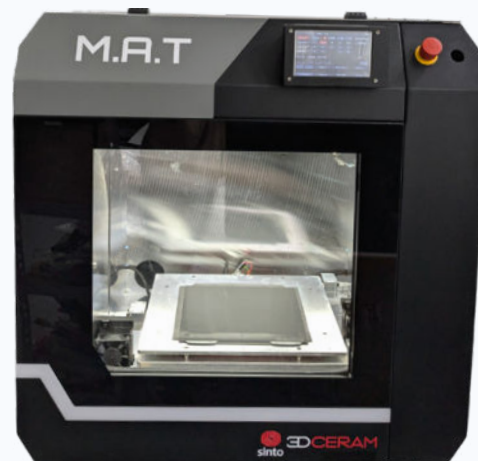


About 3DCeram's M.A.T.

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.

M.A.T.
Multi Additive Technology



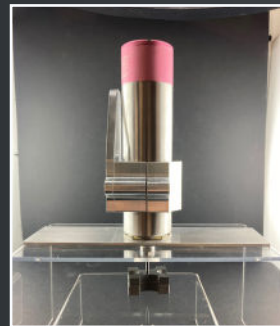
3DCeram heads for M.A.T.:



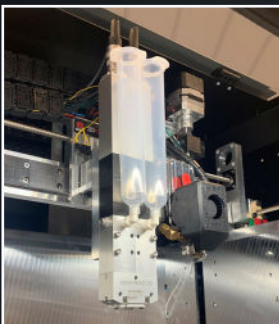
FFF Head for working with ceramic and metal filaments



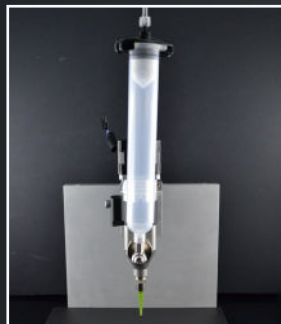
Direct Pellet Extrusion (DPE) Head for working with ceramic and metal pellets



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: 20 (W) x 20 (D) x 20 (H) cm

Supply: 230V, 16 A, 50Hz

Machine housing: Steel

Compatible heads:

- **FFF** (Fused Filament Fabrication)
- **DPE** (Direct Pellet Extrusion)
- **Paste** Extrusion
- **CNC** Milling (Computerised Numerical

- **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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