

Multi Material Jetting

Selective drop deposition

Particle-filled thermoplastic feedstocks

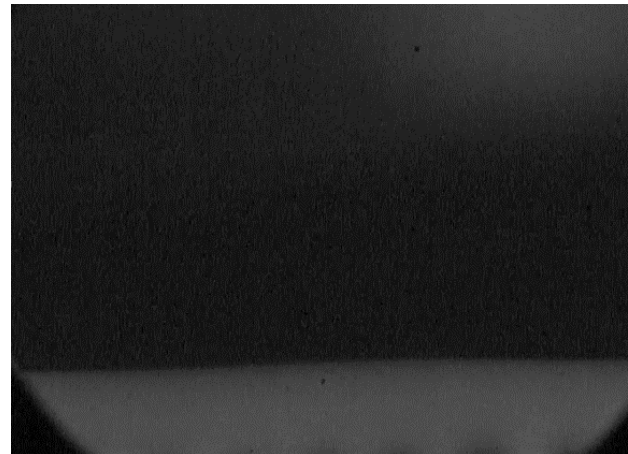
- Droplet volume: 0.5 nl - 45 nl
- Droplet diameter: 200 μm - >1000 μm
- Layer heights: 70 μm - 300 μm



Solidification by cooling

No additional solidification mechanism necessary

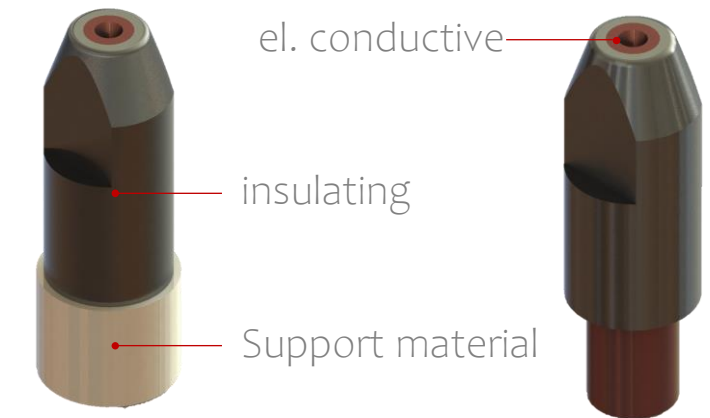
→ nearly unlimited material portfolio



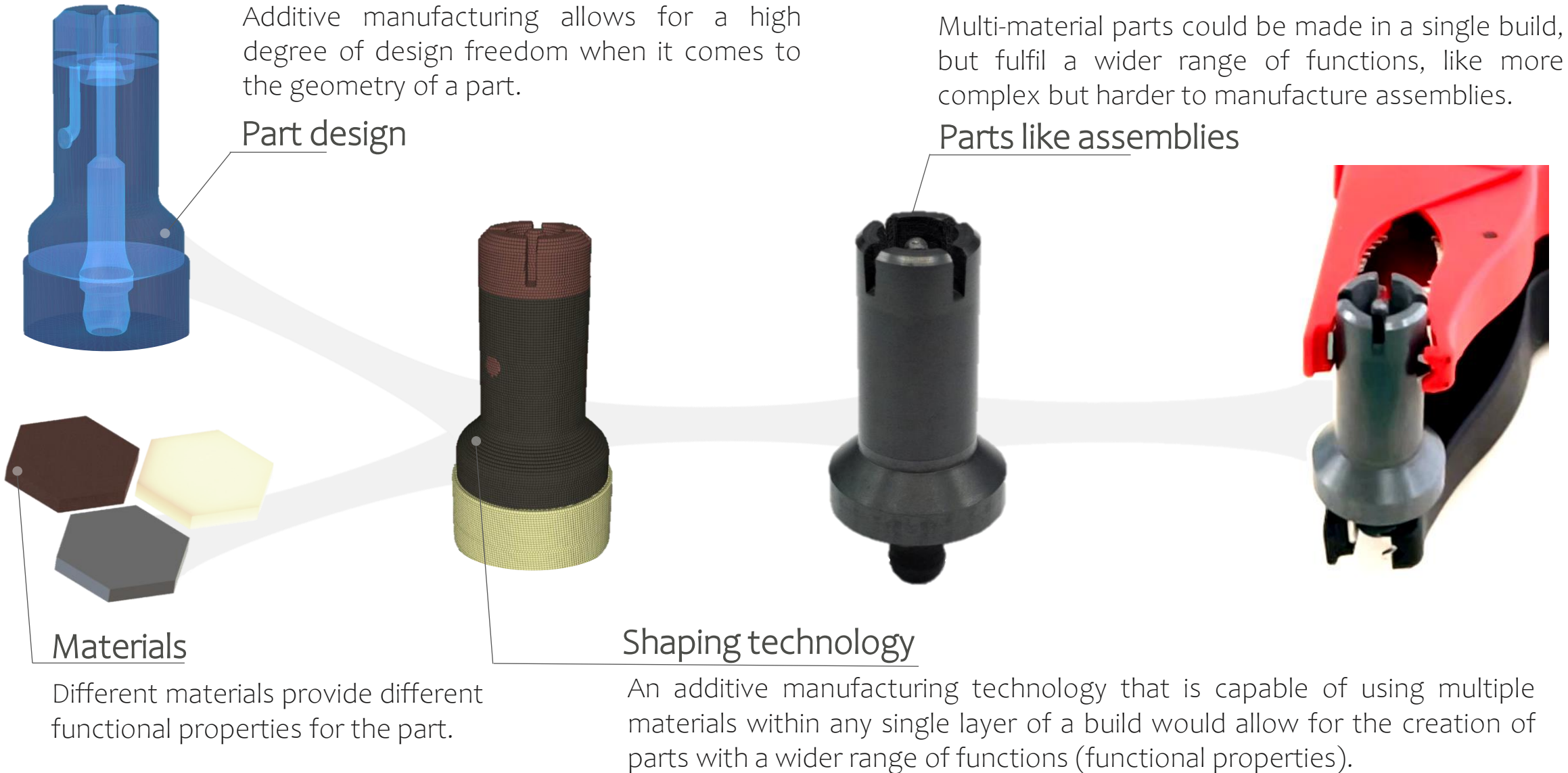
Multi Material Components

Up to six printheads

- six different materials
- five different materials + support
- parallel manufacturing of multifunctional components



Our Multi-Material Solution



LTCC

Electrical conductive | Insulating

LTCC:

51528B (Heraeus, Germany)

→ Solid content up to 52 vol.-%

Functional component:

Silver (Heraeus, Germany)

→ Solid content up to 37 vol.-%

Specific electrical resistance: $1,3 \times 10^{-6} \Omega \text{ cm}$

Minimal line width (green): $500 \mu\text{m}$

