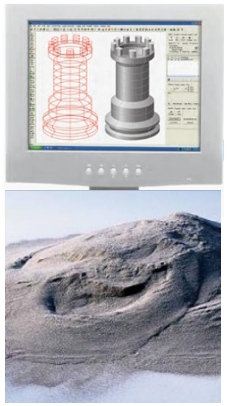
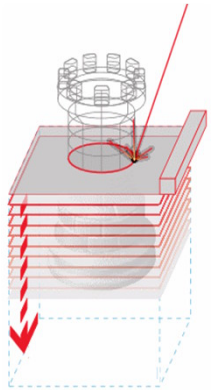
Industrial 3D-Printing of Metal Parts via Micro Laser Sintering (MLS)

e-Manufacturing Solutions

The Basis:
3D-Data & Metal Powder



The Technology:
Micro Laser Sintering (MLS)

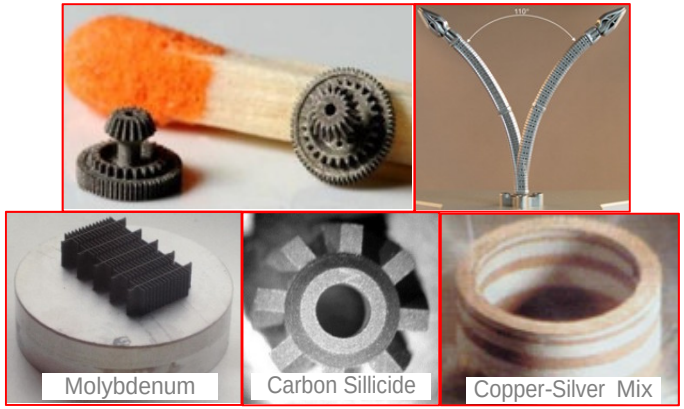


A) Re-coating

B) Melting

C) Lowering

The Result:
Micro Metal Parts



Materials

316 L
Molybdenum
Tungsten
Aluminum
Titanium
Copper

System

Facts and Effects

- Powder particle size < 5µ
- Layer thickness up to 5µ
- Laser Beam Ø up to 30µ
- Complex design without extra cost
- Freedom of design
- Customization
- Time-to-Market

Industries

Medical Devices
Automotive
Molds
MEMS
Electronics
Jewelry
Watchmaking
Space Research
Chemical,
Energy & Heat Exchanger

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