

HBD Metal 3 D Printer LACM TECHNOLOGY

Laser Additive & Cutting Manufacturing

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The Origin

Story | Expertise | Partners

The very beginning mind itself is the most accomplished mind of true enlightenment.

The Origin - Two Core Technologies of HBD

**1st Core
Technology**

Medical Microtube Precision Laser Cutting Technology

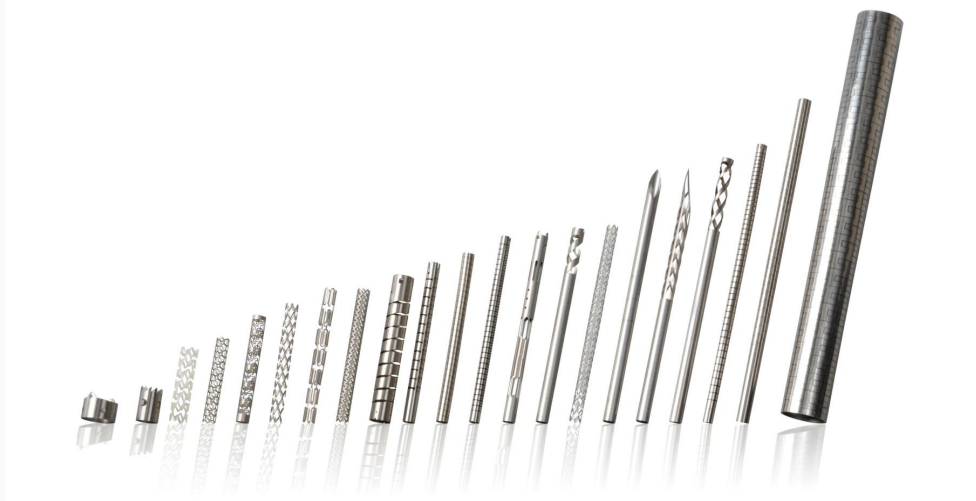
**2nd Core
Technology**

Laser Metal Melting Additive Manufacturing Technology

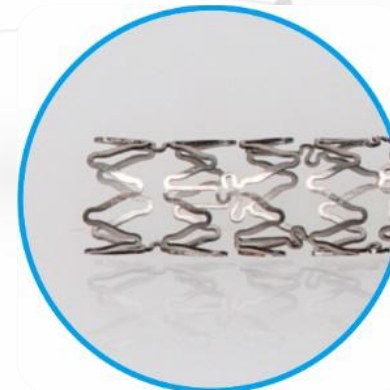
The Origin - Two Core Technologies of HBD

1

Medical Microtube Precision Laser Cutting Technology



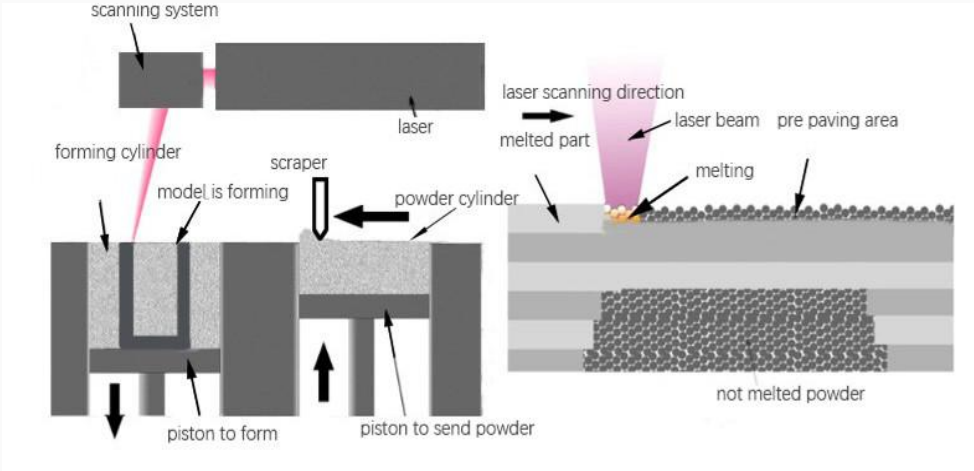
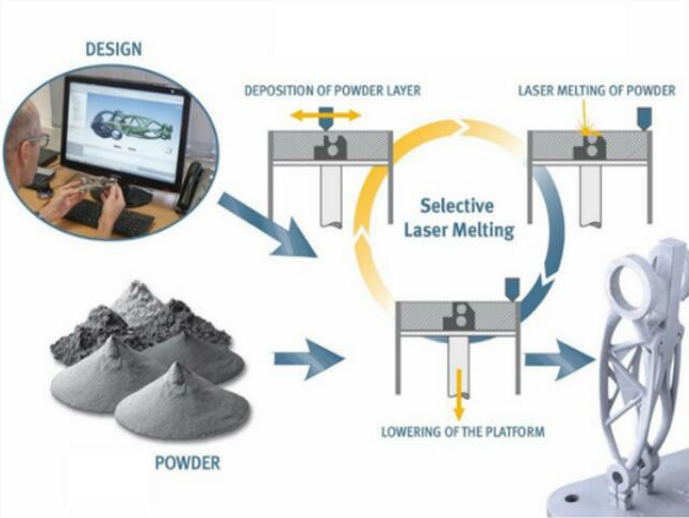
- **Connector:** Bidirectional and multi-directional connectors such as snake-shaped (snake bone) of various medical endoscopes and minimally invasive surgical delivery tubes.
- **Surgical cutting tools:** medical drills, bone drills, nose drills, universal knife handles, etc.
- **Stents:** Cobalt-chromium alloy, stainless steel, nickel-titanium, magnesium alloy, biodegradable polymer and other medical vascular stents.



The Origin - Two Core Technologies of HBD

2

Laser Metal Melting Additive Manufacturing Technology



The Origin - Joint R&D Team

■ Nanjing University of Aeronautics and Astronautics

■ Zhuhai Gree Precision Mould Co., Ltd.

■ Guangdong University of Technology

■ Shantou University

■ Deng Xin thousand experts

■ Shenzhen Sunshine Optoelectronics
Technology Co., Ltd.

■ Former Director Qi Wenjun, Institute of Materials
and Processing, Guangdong Academy of Sciences





LACM Technology

Laser Cutting | Laser Metal Melting | Hybrid Additive Manufacturing | Advantages

All the perfect things at the moment are the result of innovation.

LACM

Laser Additive & Cutting Manufacturing

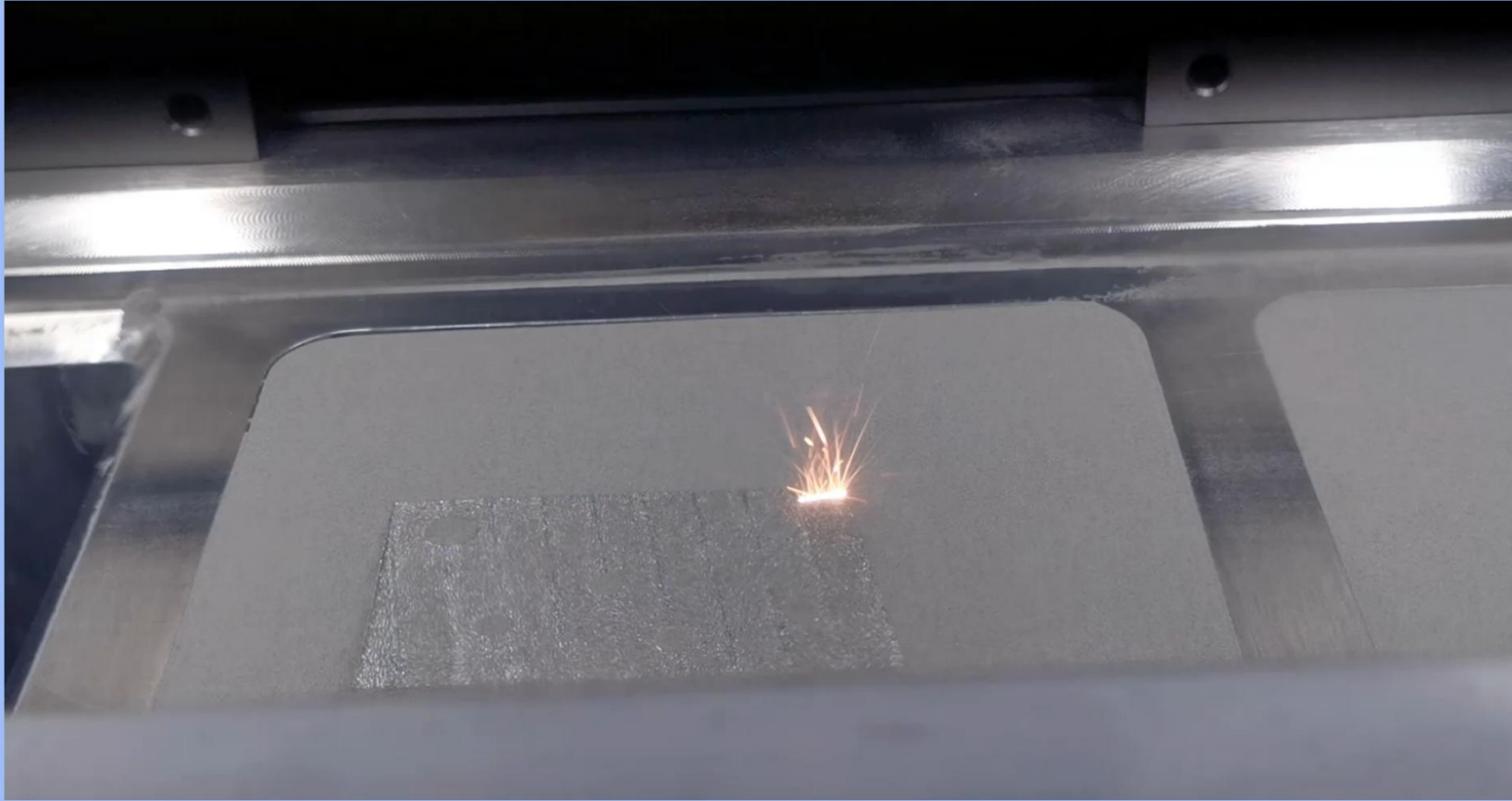
STATE-OF-THE-ART
A technology of HBD

Two lasers respectively for

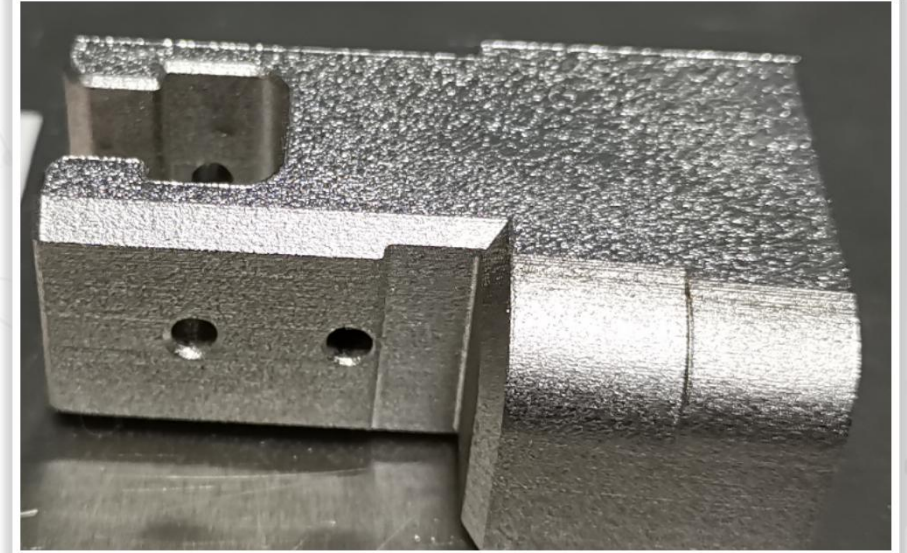
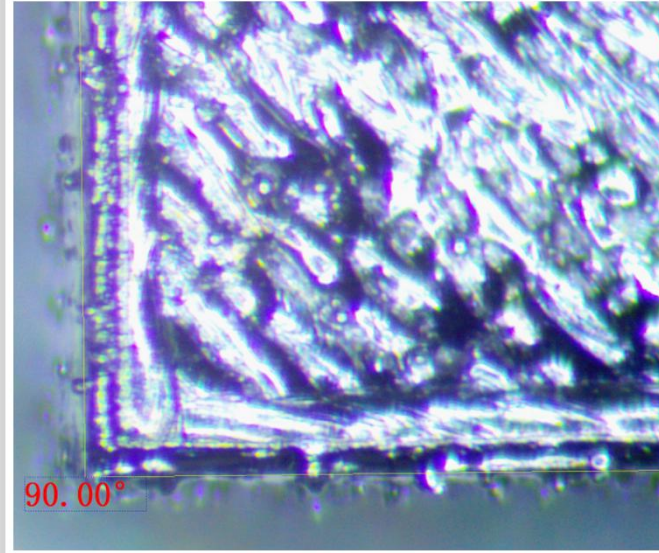
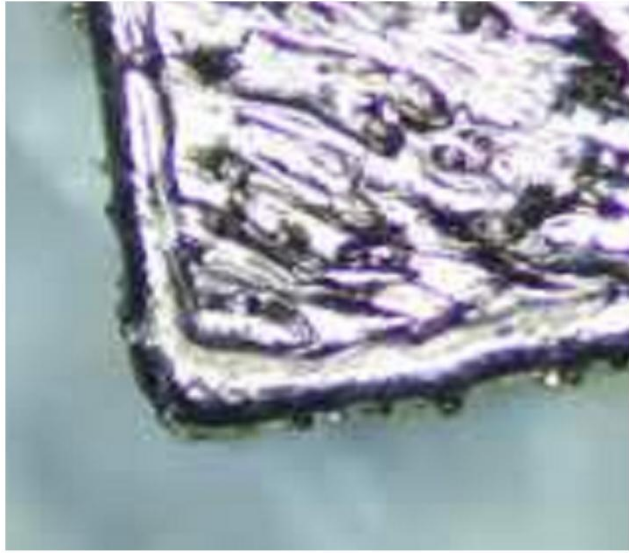
**Laser Metal 3D printing
&
Laser Cutting Process**

A new hybrid solution of
Additive manufacturing and substrative processing

LACM Technology - Video



LACM Technology - Advantages



01

Shields problems such as rounded corners and collapsed corners;

02

One-time fabrication accuracy reaches micron level;

03

Roughness is greatly reduced;

04

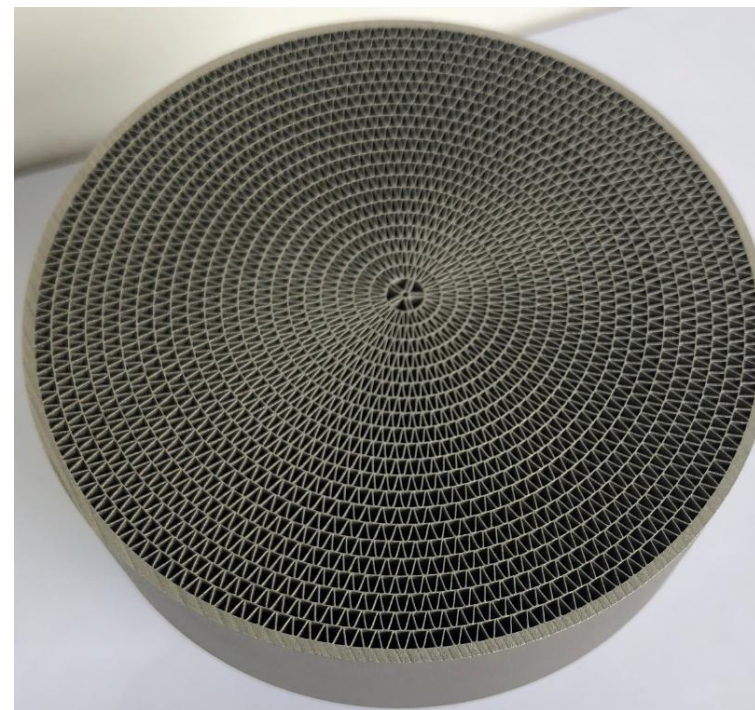
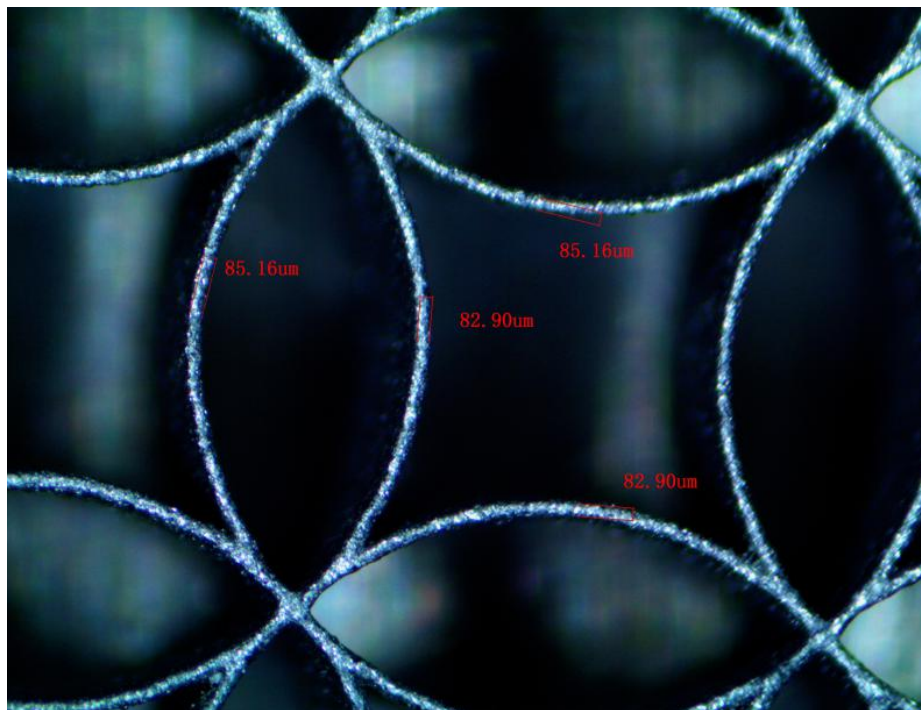
The parts can be used directly or after simple processing.



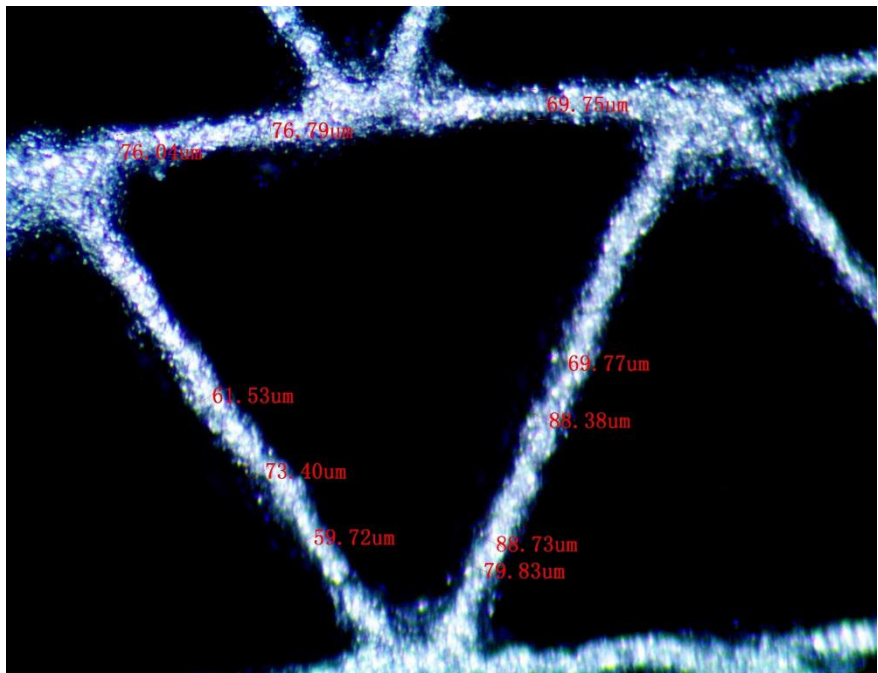
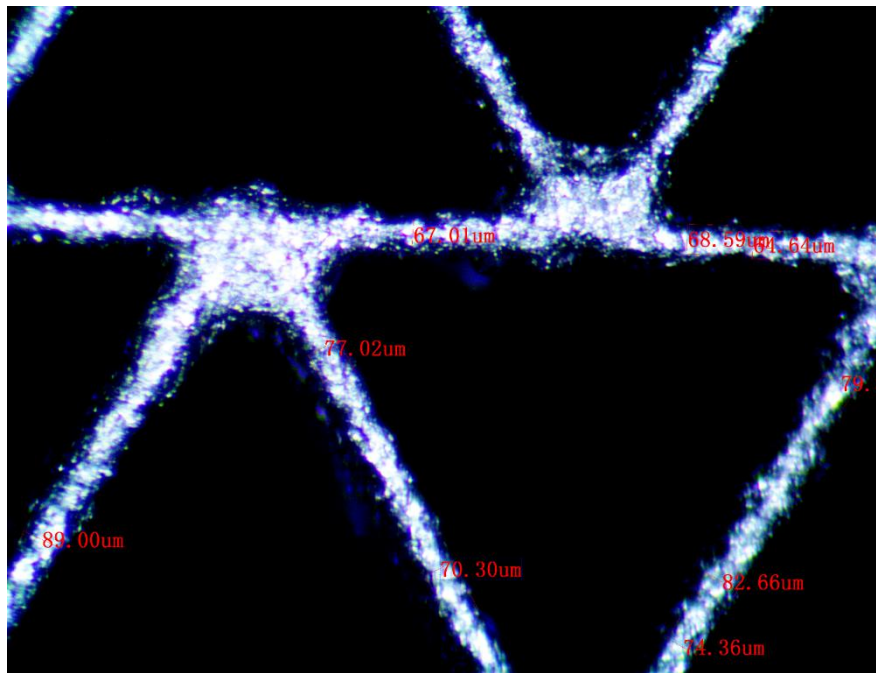
Industry Application

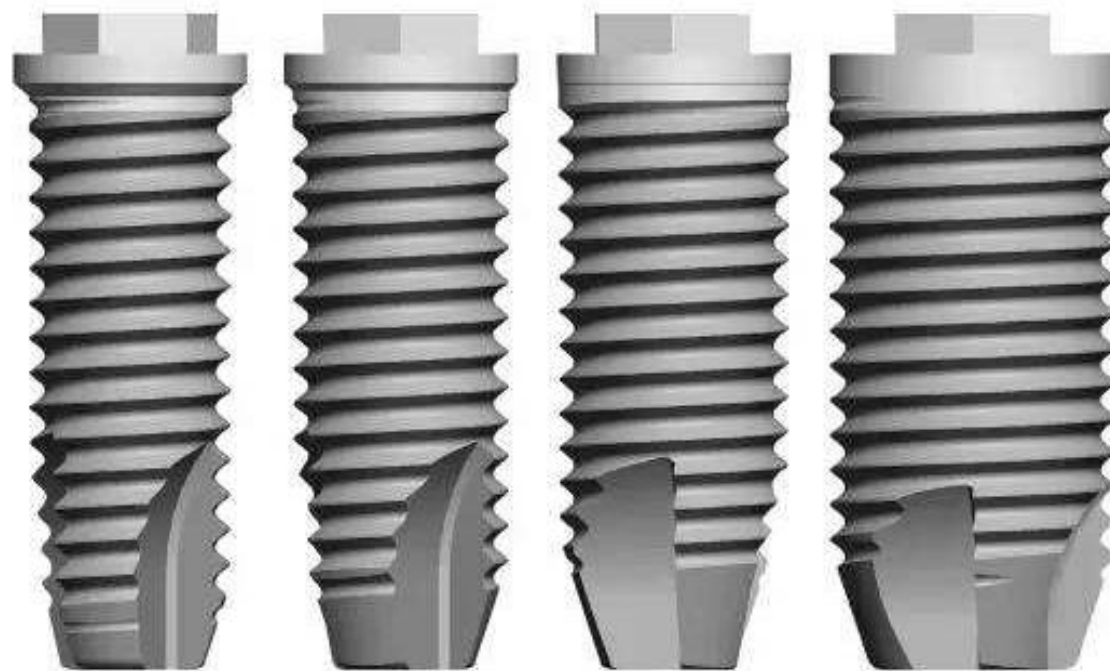
Industry Application | Success Stories | Various Industries

If we want to teach people a new way of thinking, we should not teach them deliberately, but give them a tool to develop a new thinking model by using tools.



Grid Structure



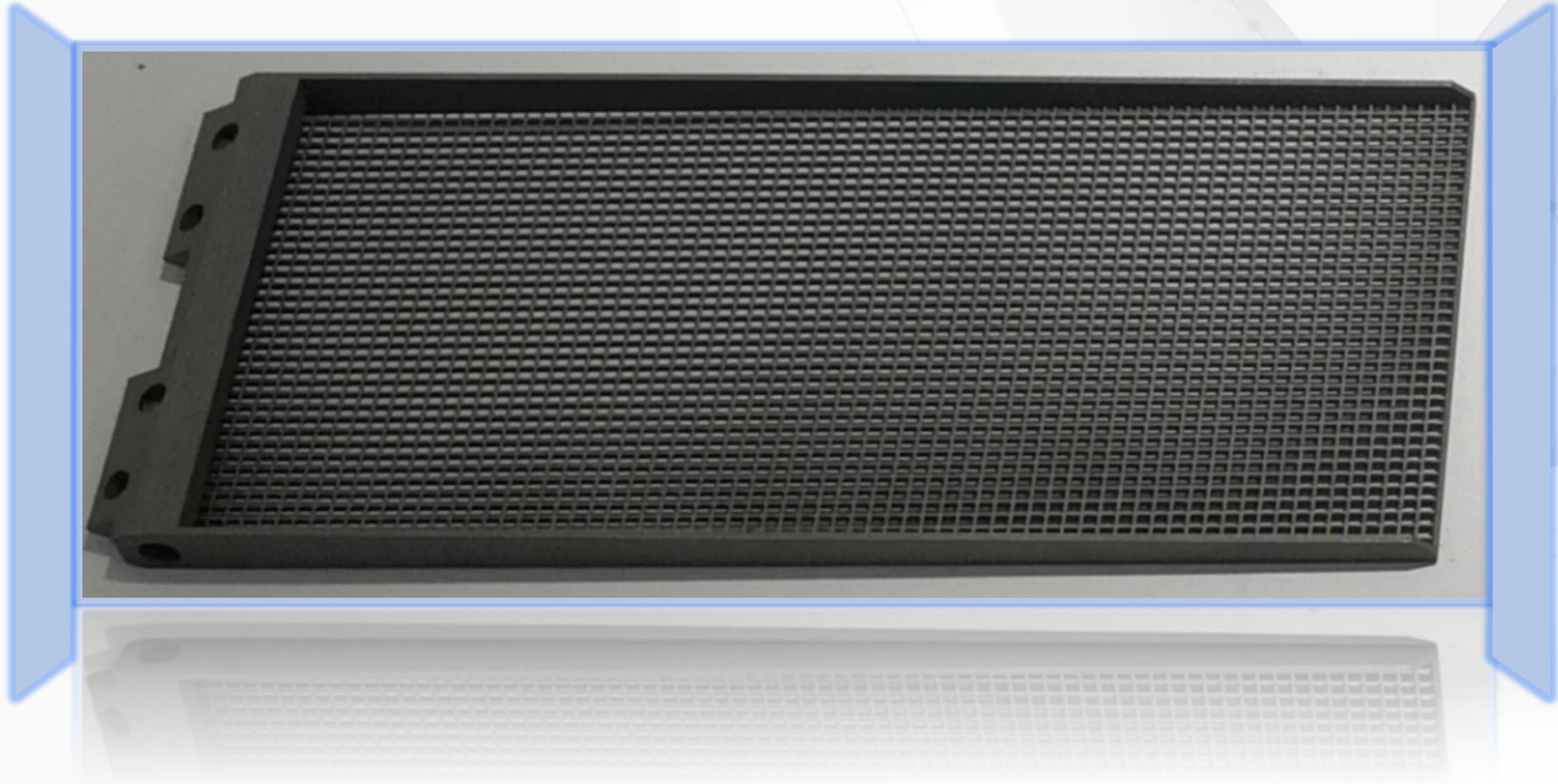


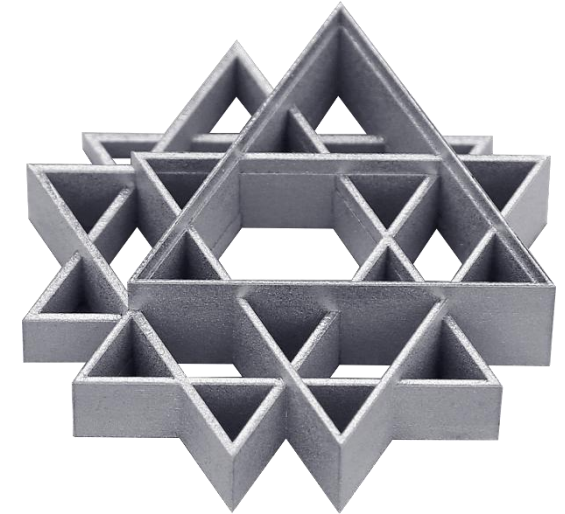
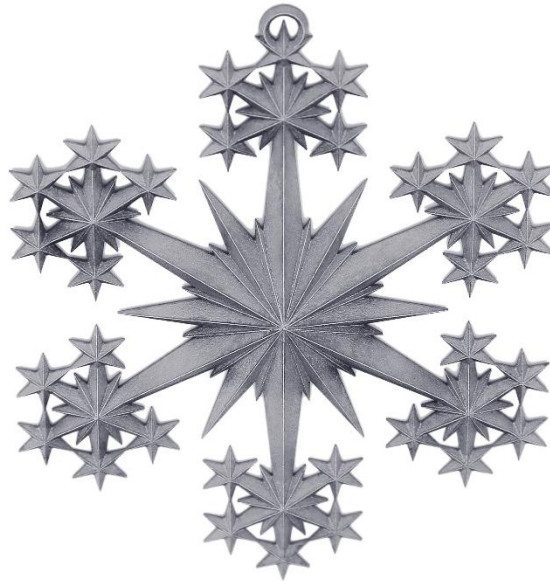
Dental Implant



Precision Mold

Industry Application





LACM Printed Parts



H3D

Expert on Metal 3D Printing



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