



Expert on Metal 3D Printing

HBD Metal 3 D Printer LACM TECHNOLOGY

Laser Additive & Cutting Manufacturing

Version: 2020Q2A

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The Origin

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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

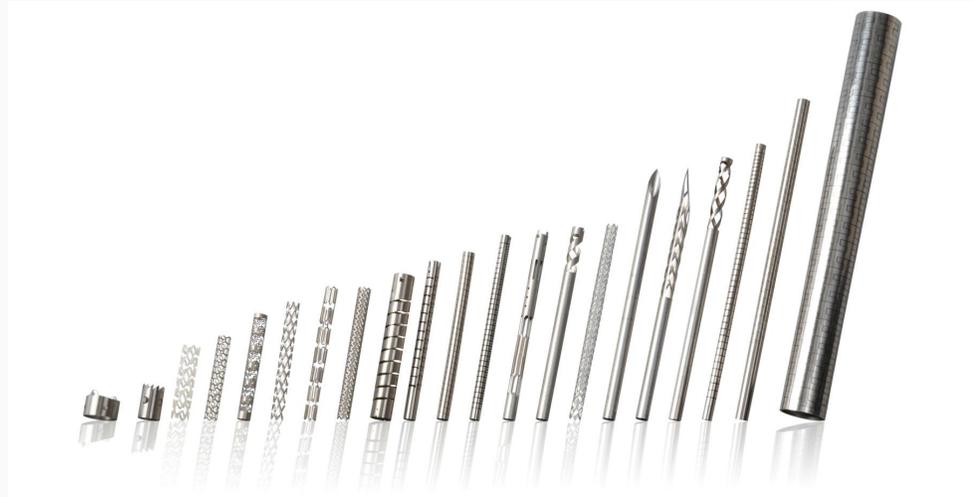
The Origin - Two Core Technologies of HBD

H3D

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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.



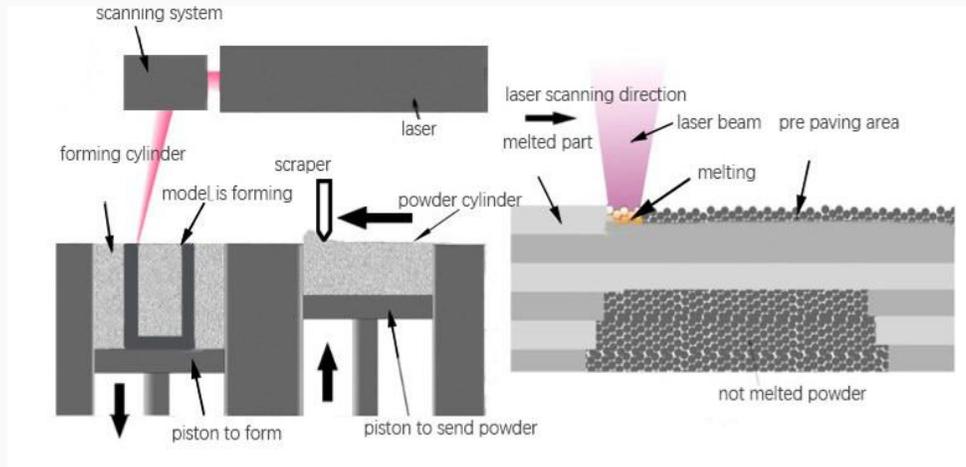
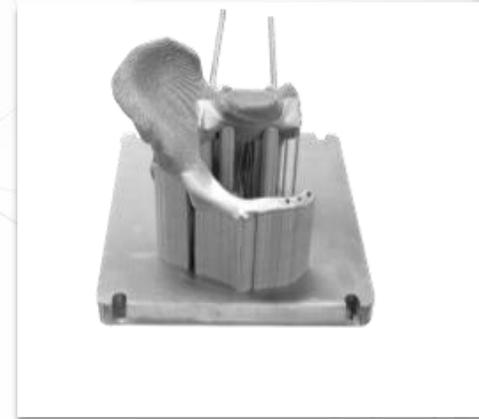
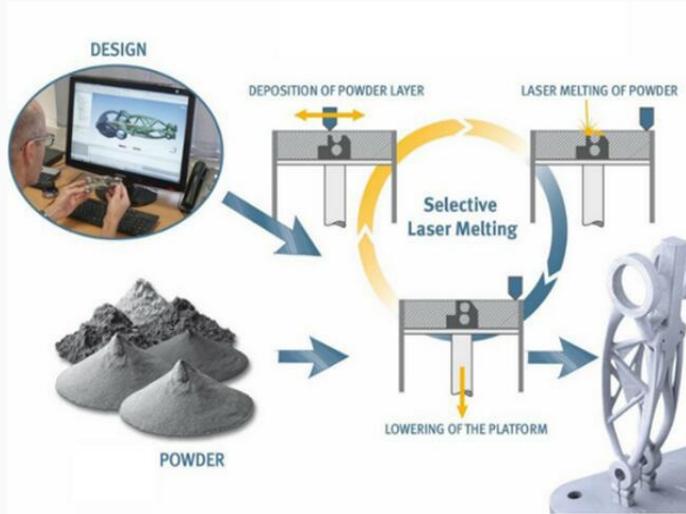
The Origin - Two Core Technologies of HBD



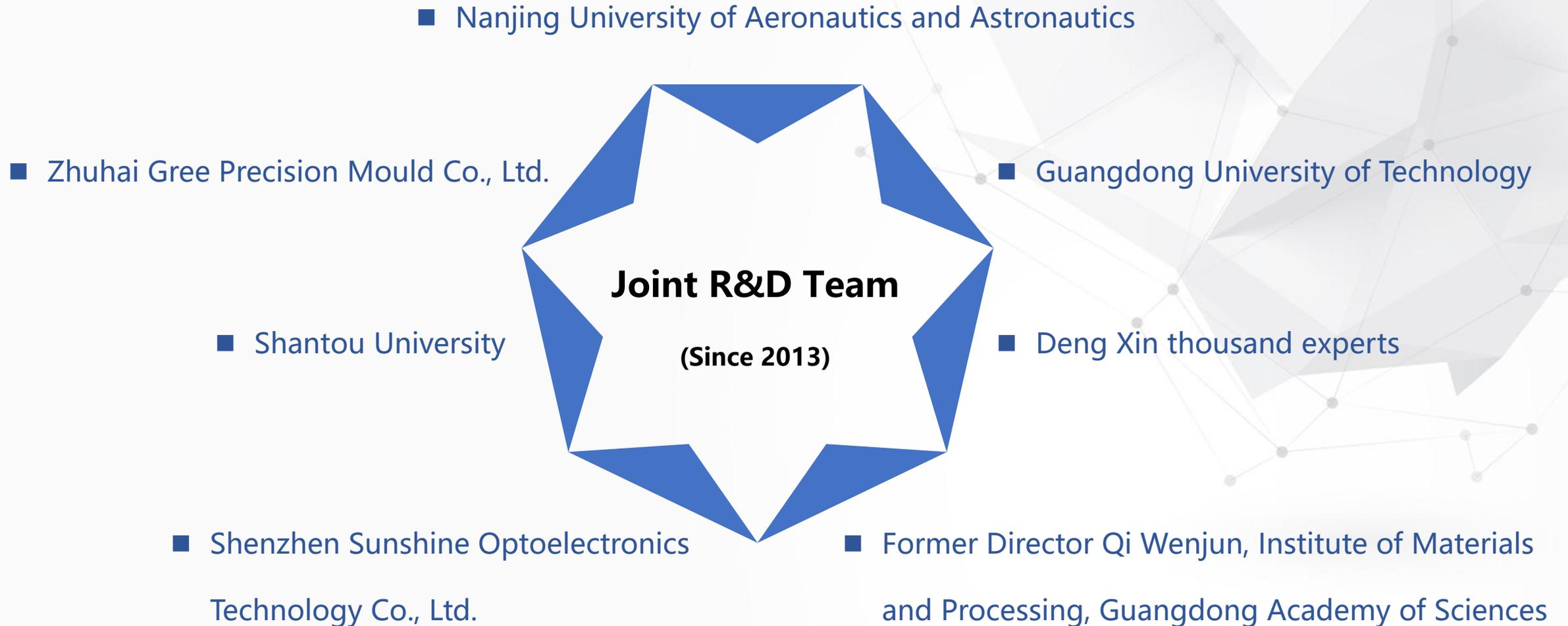
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2

Laser Metal Melting Additive Manufacturing Technology



The Origin - Joint R&D Team





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

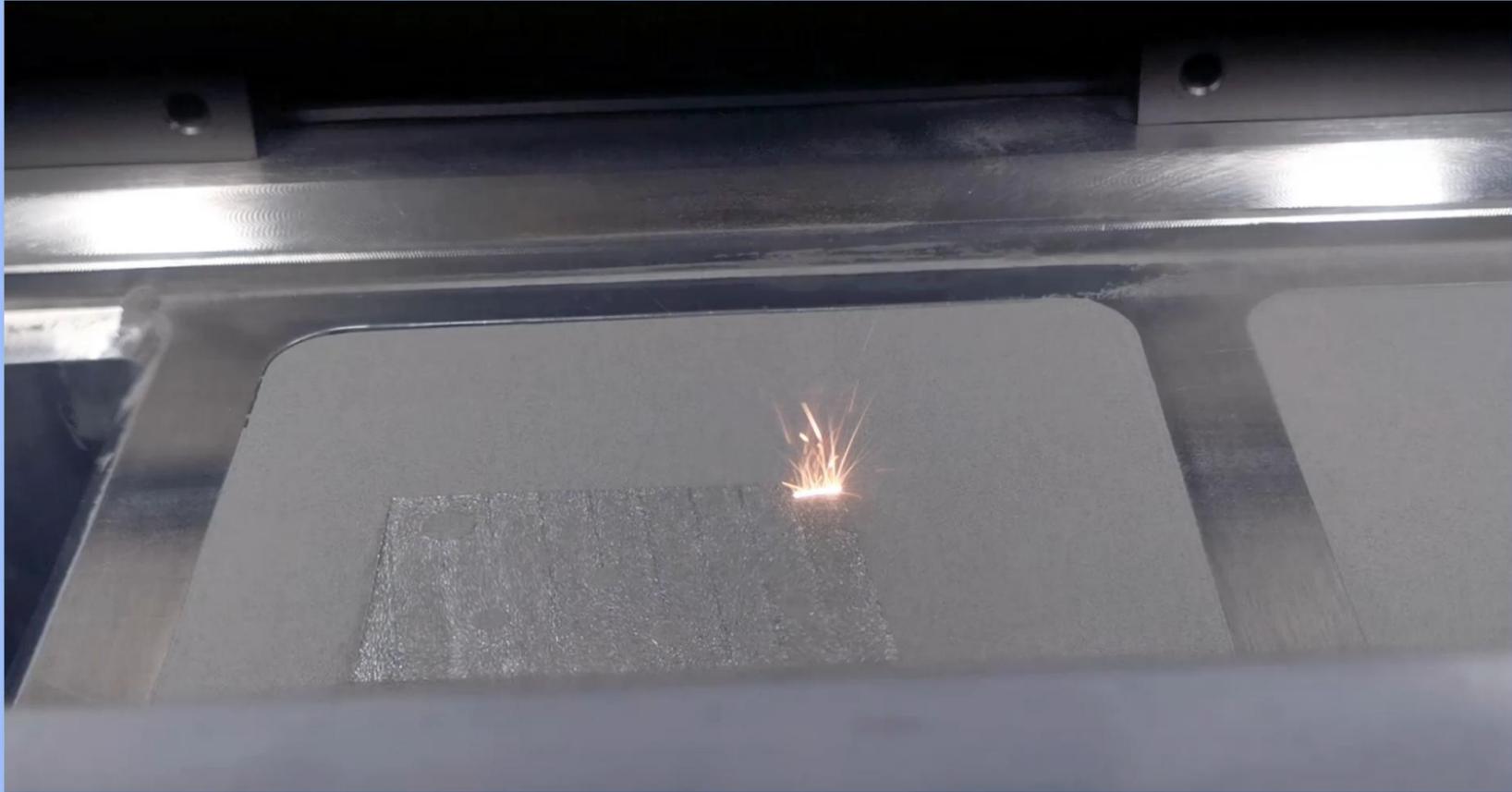
**Laser Metal 3D printing
&
Laser Cutting Process**

A new hybrid solution of
Additive manufacturing and substrative processing

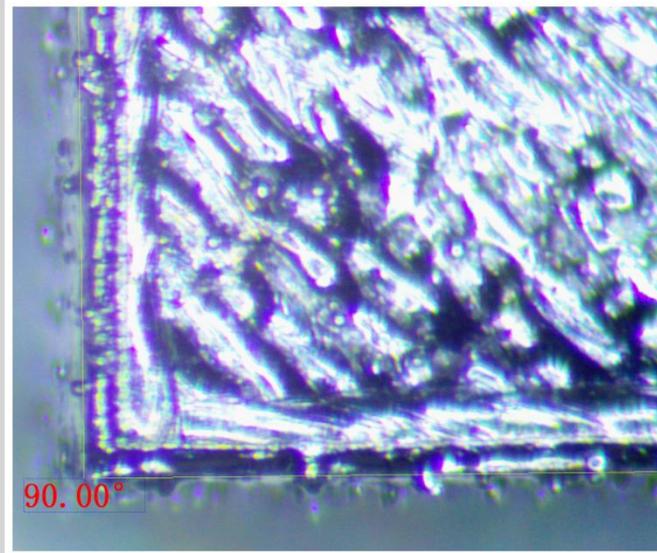
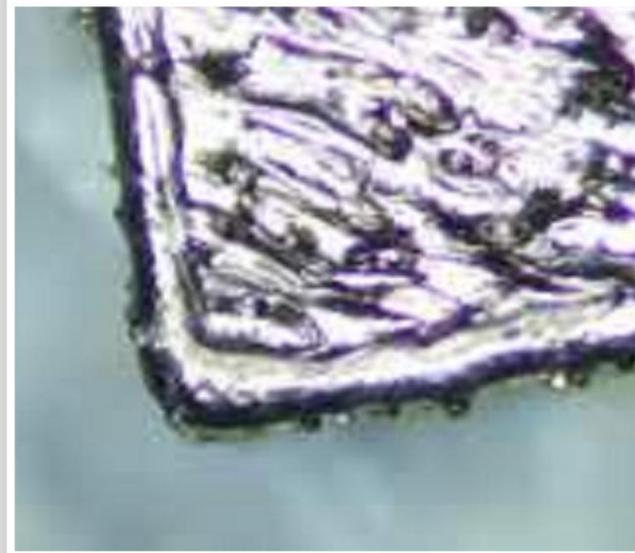
LACM Technology - Video



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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

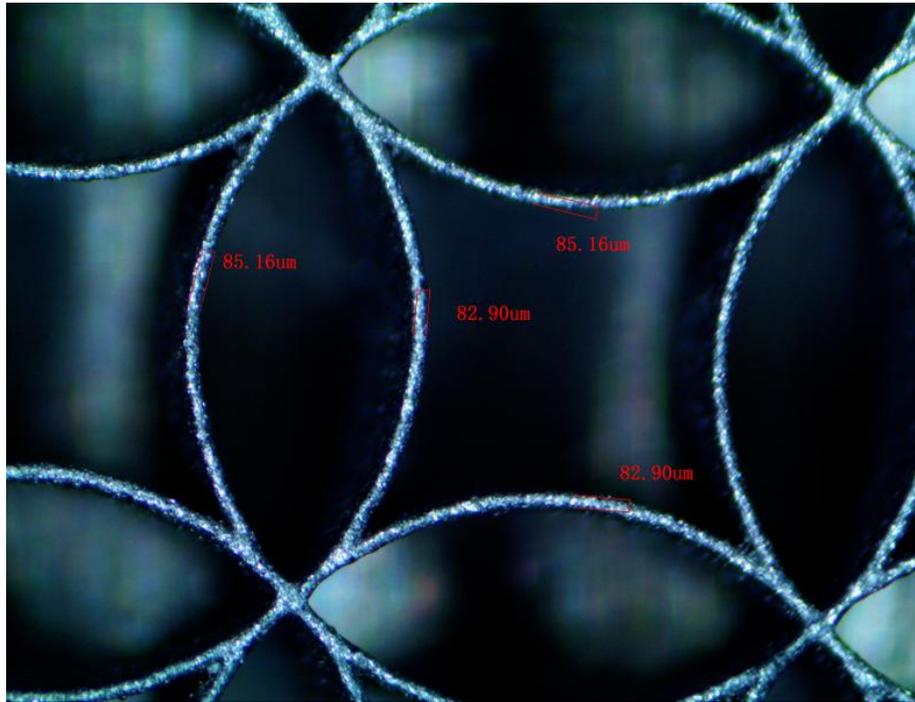
The parts can be used directly or after simple processing.



Industry Application

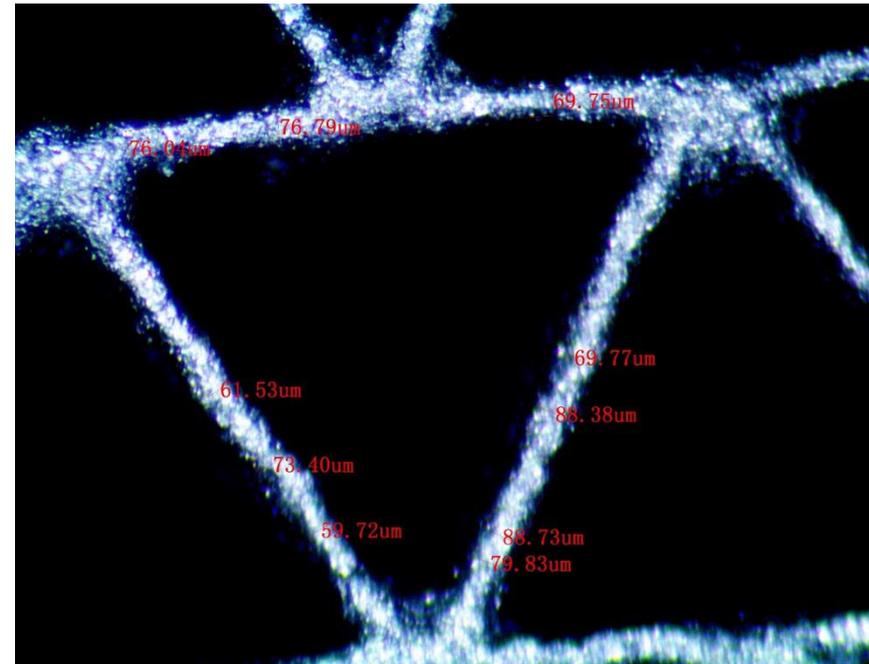
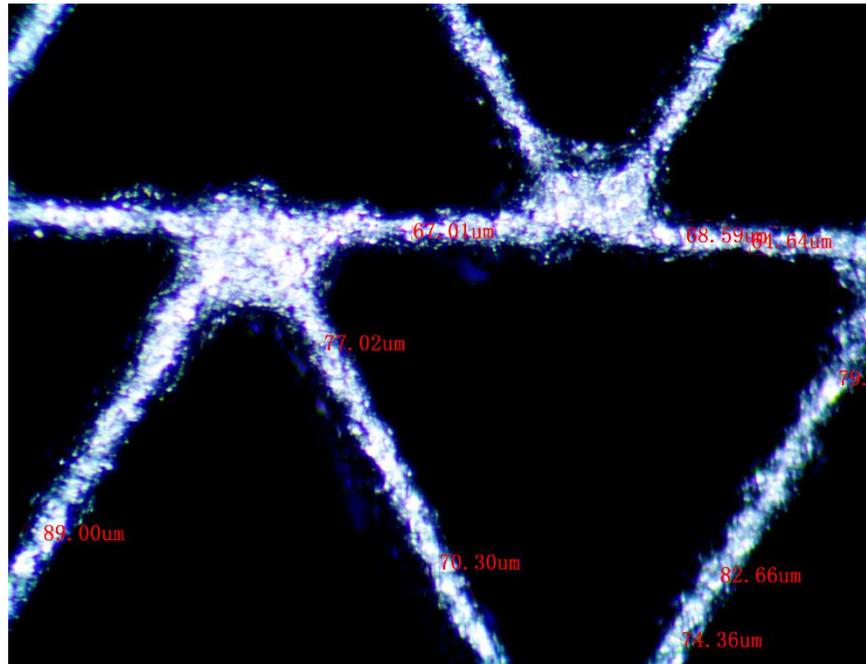
Industry Application | Success Stories | Various Industries

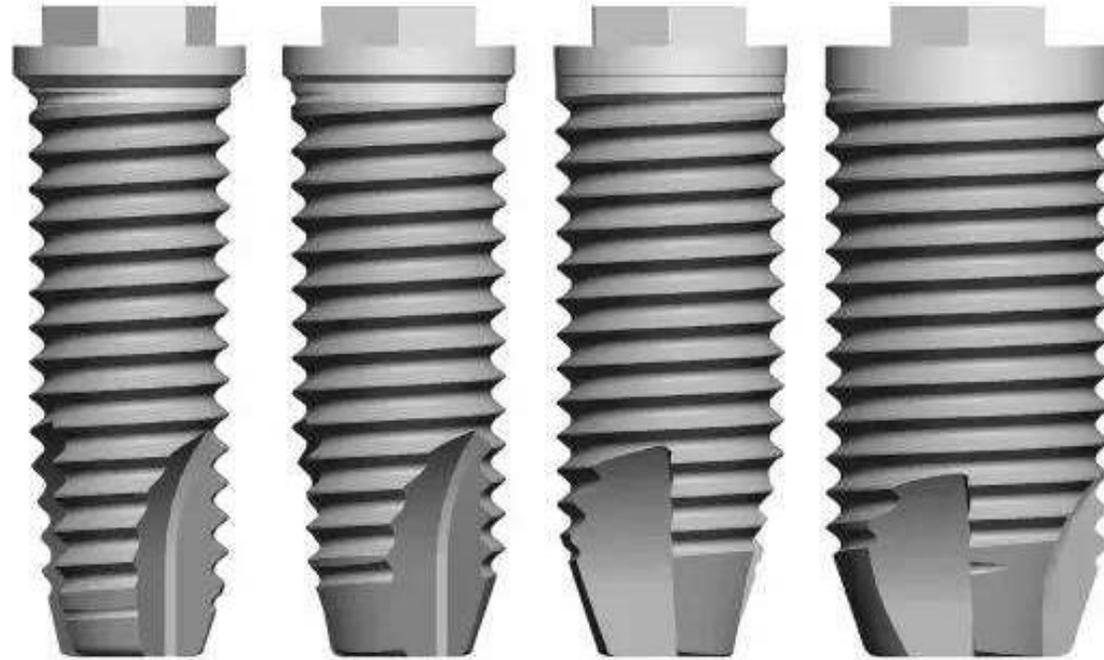
If we want to teach people a new way of thinking, we should not teach them deliberately, but give them a tool to develop a new thinking model by using tools.



Grid Structure

Industry Application





Dental Implant

Industry Application



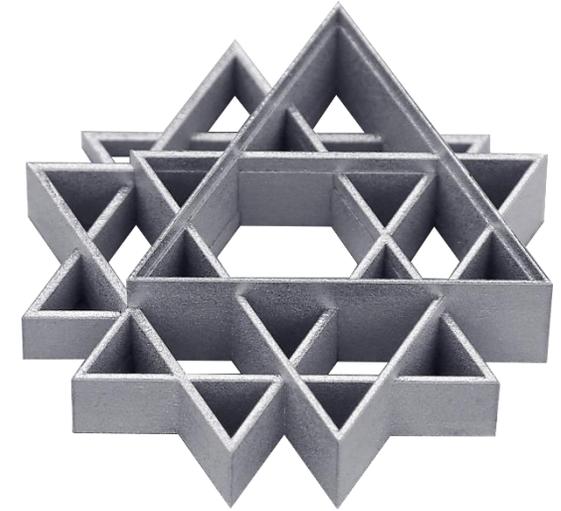
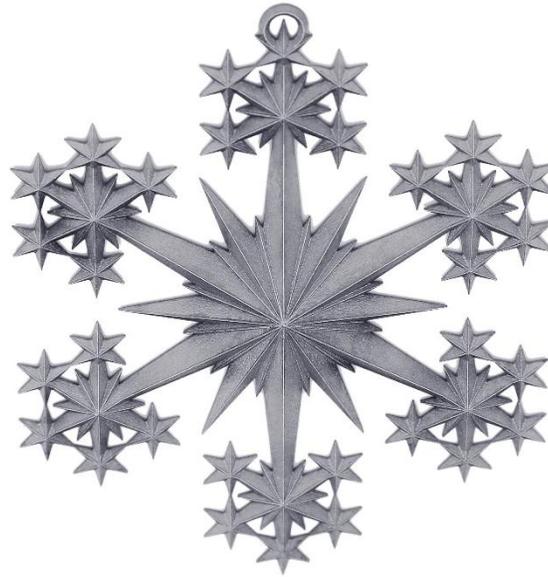
Precision Mold

Industry Application



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LACM Printed Parts

The logo for H3BD, with 'H3' in blue and 'BD' in red.

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The logo for BIBUS, featuring the word 'BIBUS' in a bold, blue, italicized font with a registered trademark symbol. Below it, the tagline 'SUPPORTING YOUR SUCCESS' is written in a smaller, red, sans-serif font, preceded by four blue horizontal bars of varying lengths.

BIBUS Austria Ges.m.b.H.
Ed.-Klinger-Str. 12
A-3423 St. Andrä-Wördern

Tel. +43 2242 33388
Email: info@bibus.at
www.bibus.at

