

# Ti6Al4V

Titanium-based alloy ideal for high-performance applications in aerospace, automotive and medical industries

## Key Features:

- > Outstanding mechanical properties and corrosion resistance
- > High specific strength, toughness and ductility
- > Good strength-to-weight ratio
- > Good biocompatibility

## Example Applications:

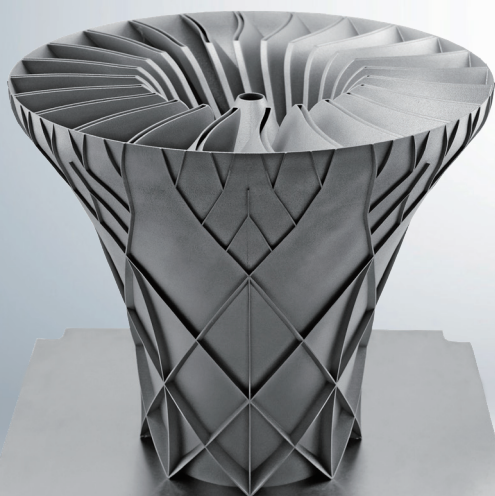
- > High-performance parts for aerospace, automotive, medical and energy industries
- > Functional industrial parts with light weight structural geometries
- > Medical tools & implants

## [ Technical Data ]

<b>General Properties</b>	<b>Part Density</b> <small>ISO3369</small>	≥4.40 g/cm <sup>3</sup>
<b>Mechanical Properties</b> <sup>1</sup> (Heat treated)	<b>Tensile Strength</b> <small>ISO6892-1</small>	≥950 MPa
	<b>Yield Strength</b> <small>ISO6892-1</small>	≥850 MPa
	<b>Elongation after Fracture</b> <small>ISO6892-1</small>	≥10 %
	<b>Vickers hardness</b> <small>ISO6507-1 / ISO6508-1</small>	≥290 HV5/15

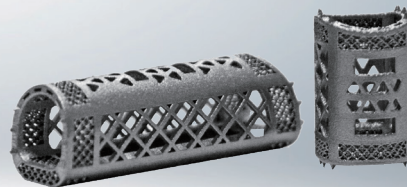
<sup>1</sup> For more information on heat treatment process, please contact us directly. Farsoon systems are open material platform. For special materials such as tungsten, tantalum and pure copper, please contact us with your inquiries or requirements.

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**Turbine Cooling Testbed**  
 System: FS421M-2  
 Size: 365×365×320mm

**Porous Spine Fusion Cage**  
 System: FS121M  
 Partner: Huaxiang Group



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