



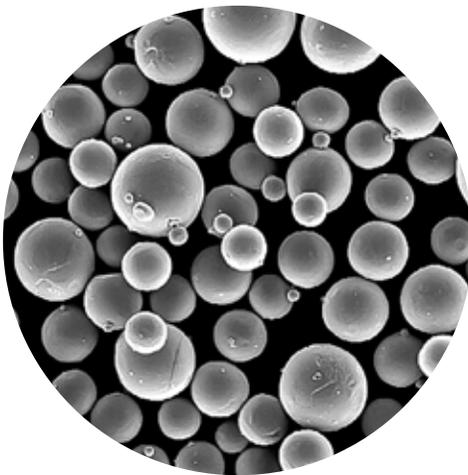
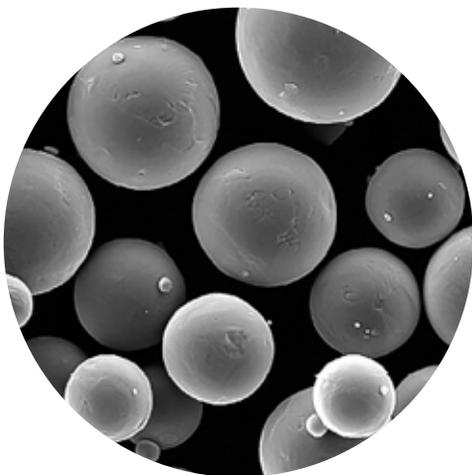
# Ti64 -53/20

Titanium Alloy Powder Ti-6Al-4V -53 $\mu$ m +20 $\mu$ m

## KEY FEATURES

- ▶ Suitable for the most demanding industrial applications.
- ▶ Plasma atomized powder
- ▶ High purity material
- ▶ Excellent flowing properties
- ▶ High packing density
- ▶ *ASTM B348-13 Grade 23, F136-13, F1472-14, F1580-12, F3001-14*

Our unique plasma atomization process produces a highly spherical Titanium alloy powder, which combines high packing density and excellent flowing properties. Our spherical Ti64 powder is the material of choice for Additive Manufacturing and Metal Injection Moulding. Our -53 +20 $\mu$ m Ti-6Al-4V powder is also compatible with the most demanding industrial markets.



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# TYPICAL PROPERTIES

Product number: 3 4 1 3 1

## Particle Size Distribution

Size (µm) +53	Typical Results: < 2% Max: 5%
Size (µm) -53+20	Typical Results: > 90% Min: 85%
Size (µm) -20	Typical Results: > 5% Max: 10%
Laser scattering (Microtrac) D10	Typical Results: > 25µm Min: 20µm

## Chemistry

<b>Titanium</b>	Balance	<b>Nitrogen</b>	< 0.04%
<b>Aluminum</b>	6.0 - 6.5%	<b>Hydrogen</b>	< 0.012%
<b>Vanadium</b>	3.5 - 4.5%	<b>Carbon</b>	< 0.08%
<b>Iron</b>	< 0.25%	<b>Yttrium</b>	< 0.005%
<b>Oxygen</b>	< 0.10%		

## Density

<b>Tap Density</b>	> 2.7g/cm <sup>3</sup>	<b>Apparent Density</b>	> 2.2g/cm <sup>3</sup>
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## INDUSTRIES



## APPLICATIONS

ADDITIVE  
MANUFACTURING



THERMAL  
SPRAY



## ABOUT TEKNA

Tekna is the world leader in induction plasma technology and manufacturing turnkey systems. With 25 years of industrial experience Tekna is able to offer the power of inductive plasma technology to manufacture high value materials in commercial quantities and to the highest quality standards.



MANUFACTURED BY TEKNA ADVANCED MATERIALS INC.  
AN ISO 9001:2008 CERTIFIED COMPANY.

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