



TruForm™ Ti-64 & Ti-4822 Metal Powder

Our titanium metal powders for additive manufacturing flow easily and deposit evenly. The result? Successive layers with consistent density and uniform build rates. Ultimately, this helps your products meet the mechanical, performance, and final part specifications of 3D printed parts.

Particle Size Distribution

Powders are available in a wide variety of particle size distributions and can be customized for your applications.

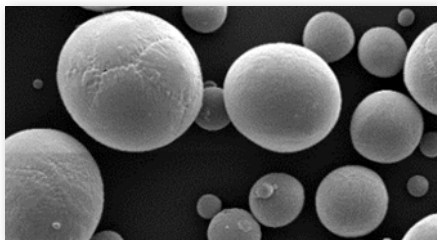
TruForm™ Metal Powders for All Additive Manufacturing Processes Including:

- Direct Metal Deposition (DED)
- Direct Metal Laser Sintering (DMLS)
- Electron Beam Melting (EBM)
- Laser Metal Deposition (LMD)
- Selective Laser Melting (SLM)

Characteristics

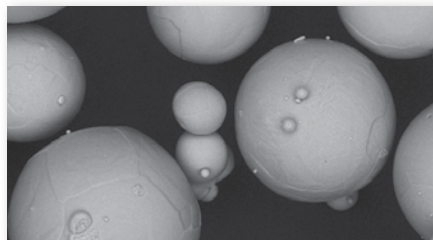
- Corrosion Resistance
- High Strength
- Low Weight Ratio
- Titanium Alloys

TruForm™ 64



Element	Typical Composition
Aluminum (Al)	5.5 max
Carbon (C)	0.08 max
Iron (Fe)	0.25 max
Oxygen (O)	0.13 - 0.2
Titanium (Ti)	balance
Vanadium (V)	3.5 - 4.5
Others, each	0.1 max
Other, TAO	0.3 max

TruForm™ 4822



Element	Typical Composition
Aluminum (Al)	32.5 - 33.7
Boron (B)	0.05 max
Carbon (C)	0.01 max
Chromium (Cr)	2.4 - 2.7
Iron (Fe)	0.1 max
Niobium (Nb)	4.5 - 5.1
Titanium (Ti)	balance
Yttrium (Y)	0.05 max

A global leader in metal powders for 50 years, aerospace—grade is our benchmark.

With five powder atomizers, a fully-outfitted AM quality lab, an R&D lab complete with a metal 3D printer, and a staff of credentialed experts...

Praxair is the only partner you need to deliver on the promise of metal AM

CONTACT US

Contact our technical sales team for guidance in selecting a material, requesting an alloy not listed here, or for additional details.

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Powder Atomization Capabilities

Praxair is a worldwide resource for fine and spherical, gas-atomized powders and a leader in vacuum induction melt argon gas atomization (VIM-AGA) technology. We operate 5 VIM AGA units and pour more than 3 million lbs of powder each year.



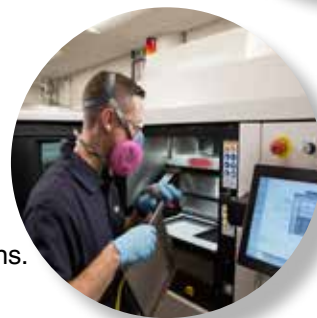
AM Quality Lab

Our quality laboratory is registered as an ISO-9001:2008, Nadcap AS7101, and AS9100 facility. We offer 100 percent lot inspection along with a certificate of analysis that details the variety of quality tests we conduct from our state-of-the-art facility to ensure your printed products meet your performance and surface finish specifications.



Additive Manufacturing Lab

We are printing parts every day with our AM metal powder to ensure that layer by layer, you are getting a premium product that can produce products to your exacting specifications.



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