



TruForm™ Metal Powders

For Additive Manufacturing

Making your dreams for metal AM fly

Additive manufacturing continues to advance at a rapid rate. It's critical your powders source continues to advance just as fast.

At Praxair Surface Technologies, additive manufacturing powders are not just a commodity—they're a specialty. For more than 50 years, we've been a leading manufacturer of gas atomized metal powders. And today, as additive manufacturing rapidly advances, we're evolving our powders at the same rate.

With Praxair *TruForm*™ metal powders for additive manufacturing the sky isn't the limit. It's time to dream big.

Layer by layer, *TruForm*™ metal powders offer optimum production performance

Our cobalt, iron, nickel, and titanium metal powders are spherical in form, flow easily, and deposit evenly. The result? Successive layers with consistent density and uniform build rates. Ultimately, this helps products meet the mechanical, performance, and final part specifications of 3D printed parts.

Metal powders engineered for additive manufacturing applications in:

Aerospace • Automotive • Industrial • Medical

Features of *TruForm*™ metal powders

- Approved aerospace grade
- Free flowing
- Deposit evenly
- Fully dense

Custom-engineered chemistries and size distribution

Our chemistries and particle sizing can be customized to ensure your finished products meet your performance and surface finish specifications.





Product Name	Typical Chemistry Composition
TruForm 509	Co-23Cr-10Ni-7W-4Ta
TruForm CoCr	Co-28Cr-6Mo-0.2C-0.2



TruForm 15-5	Fe-14Cr-4Ni-4Cu-0.3Nb
TruForm 17-4	Fe-16Cr-4Ni-3Cu-1Si-0.25Nb
TruForm 316	Fe-17Cr-12Ni-3Mo
TruForm MS	Fe-18Ni-9Co-5Mo-1Ti



TruForm 142	Ni-12Co-7Cr-6Ta-6Al-5W-3Re-2Hf-2Mo-0.1C
TruForm 230	Ni-22Cr-14W-2Mo
TruForm 247	Ni-10Co-10W-8Cr-6Al-3Ta-1Hf-1Ti-0.6Mo-0.2C
TruForm 282	Ni-20Cr-10Co-9Mo-2Ti-1.5Al
TruForm 617	Ni-22Cr-12Co-9Mo-1Al-0.6C
TruForm 625	Ni-22Cr-0Mo-Nb+4Ta
TruForm 718	Ni-19Cr-18Fe-Nb+5Ta-3Mo-1Ti
TruForm 738	Ni-16Cr-9Co-3Al-3Ti-3W-2Mo-2Ta-0.9Nb-0.1C
TruForm 914	Ni 99 min
TruForm 939	Ni-22Cr-10Co-4Ti-2W-2Al-1Ta-1Nb-0.1C
TruForm X	Ni-22Cr-19Fe-9Mo-2Co-0.5W-0.1C



TruForm 64-5	Ti-6Al-4V
TruForm 64-23	Ti-6Al-4V
TruForm 4822	Ti-48Al-2Nb-2Cr
TruForm 6242	Ti-6Al-2Sn-4Zr-2Mo

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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