

High quality powders

We create certified, high-performing powders for every metal additive need, taking into account a variety of mechanical behavior design data and material science.

Our commitment to the additive industry includes more than 1,000 material scientists, engineers, and characterization experts across GE. And we continue to innovate by understanding, developing, and differentiating new powdered materials to help move the additive industry forward. We're a one-stop shop, and as part of GE, we offer over 20 years of experience in additive manufacturing.

Standard powders

We've carefully developed our powders to seamlessly fit into the entire GE Additive ecosystem and provide total compatibility with our machines. We provide metal powder, process settings and support for these materials:

- CpTi grade 1
- CpTi grade 2
- Ti-6Al-4V grade 5
- Ti-6Al-4V grade 23
- Ti-6Al-2Sn-4Zr-2Mo
- Ti-5Al-5V-5Mo-3Cr
- Ni Alloy 718
- Ni Alloy 625
- Al-Si7-Mg (F357)
- Al-Si10-Mg
- CoCrMo
- 316L Stainless Steel
- M300 Stainless Steel
- 17-4 PH Stainless Steel
- remanium star® CL
- rematitan® CL

Custom powders

We have the ability to develop custom powders to meet your unique needs along with developing parameters and testing protocols to achieve desired material properties.

- Ti alloys
- Ti-5Al-2.5Sn (Grade 6)
- Nickel-titanium
- Molybdenum alloys
- Niobium alloys
- Zirconium alloys



AP&C is the leader in the production of Titanium, Aluminum and Nickel alloys. Our unique APA™ process produces highly spherical metal powder designed for excellent flowability and low porosity.

- Highly spherical shaped particles
- Extra clean process with minimal amount of impurities
- Exceptionally low amount of agglomerates, satellites, and entrapped porosities
- Higher yield of fine particles

Testing capabilities

We strive for success and continuously improve the effectiveness of our quality system, productivity, and production capacity to maintain a competitive advantage.

- Size distribution by sieving (ASTM B214)
- Size distribution by laser diffraction (ASTM B822)
- Flowability (ASTM B213 and ASTM B964)
- Apparent density (ASTM B212)
- Tap density (ASTM B527)
- Chemical composition (ASTM E1409, E1447, E1941, E2371 etc.)

Training and services

GE Additive's AddWorks engineers are at your service to help you to manage the value stream throughout the materials life cycle. The team offers training in a variety of additive topics, which can be delivered in a variety of ways – online, on-site, off-site. Here are a few examples:

- Powder handling and/or EHS training
- Materials and process training
- Process optimization and machine calibration
- Materials to improve your design
- Helping you to achieve part qualification and certification
- Customized content to meet your needs