

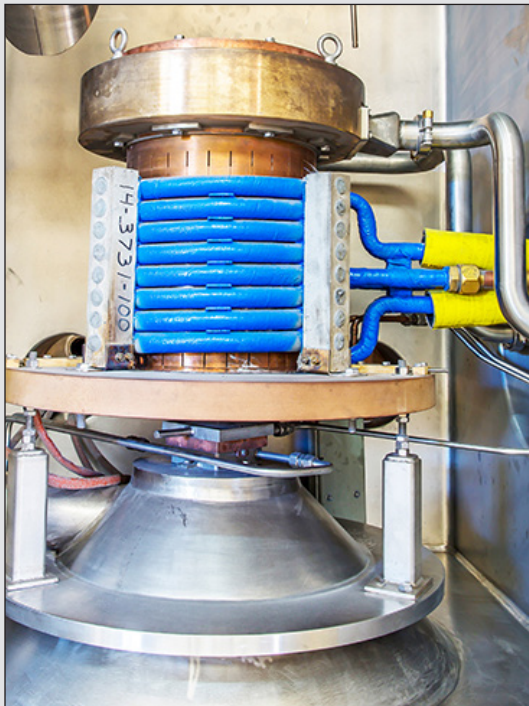
TIGA

TITANIUM GAS ATOMIZER

As the leader in Titanium Gas Atomization systems to the aerospace industry, Retech is well acquainted with the demands of high-performance materials. Consequently, Cold-Wall Induction (CWI) melting systems can also be combined with inert gas atomization die for powder production of titanium and titanium alloys. As with all our equipment, we work with our customers to ensure the equipment we provide meets their requirements.

For Atomization Of:

- Titanium
- Titanium alloys



TIGA Atomizer Specifications

System Type	Titanium Gas Atomization (TiGA)
Feedstock Sizes	Ingot diameter: 200 mm (8") Ingot mass: 10 kg, 25 kg, 50 kg
Available Powder Handling Equipment	Yes

Technical Data

Power Output	750 kW
Reactive Metals	Yes
Non-Reactive Metals	No
In Process Alloying Capability	Yes

Powder Data

Materials	Ti 6Al 4V
Powder Morphology	Spherical
Atomization Rate	60 - 300 kg/hr
Size	D ₅₀ : 50 - 120 μm

R-CIGA Atomizer Specifications

System Type	Ceramic Induction Gas Atomization (R-CIGA)
Sizes	25- 100 kg 100-250 kg 400-750 kg >1000 kg
Available Powder Handling Equipment	Yes
Reactive Metals	No
Non-Reactive Metals	Yes

Technical Data

Power Output	50-1300 kW
Power Input	100-1500 kVA
Feedstock Material	Ingots or elements
In Process Alloying Capability	Yes

