

R-CIGA

CERAMIC INDUCTION GAS ATOMIZER

Leveraging Retech's experience with Vacuum Induction Melting (VIM), a Retech Hot Wall Atomizer is suited for everything from small, lab-scale batch production to very large, industrial scale installations where high throughput is essential. These systems utilize traditional induction melting combined with close-couple atomization for efficient production of spherical metal powders.

Additionally, Retech Hot Wall Atomization systems have the capability to be semi-continuous via reloadable feeders.

For Atomization Of:

- Nickel-Based Alloys
- Stainless Steel
- Carbon Steel
- Rare Earth Materials
- Other Non-Reactive Alloys



R-CIGA Atomizer Specifications

System Type	Retech Ceramic Induction Gas Atomization (R-CIGA)
Feedstock/Sizes	Ingot, loose feed
Available Powder Handling Equipment	Yes

Technical Data

Power Output	50 kW - 1500 kW
Reactive Metals	No
Non-Reactive Metals	Yes
In Process Alloying Capability	Yes

Powder Data

Materials	IN625 / IN718
Powder Morphology	Spherical
Atomization Rate	300 - 1500 kg/hr
Size	D ₅₀ : 30 - 90 μm