

SSA

SMALL SCALE ATOMIZER

Our Laboratory Scale Atomizer utilizes state-of-the-art melting technology in combination with advanced atomization techniques to produce **highly spherical powders within a narrow Powder Size Distribution (PSD).**

For Atomization Of:

- Titanium
- Nickel
- Cobalt
- Ferrous alloys
- Reactive metals
- Refractory metals

SSA Advantages:

- Atomize in a controlled atmosphere
- Atomization rate ~ 1 kg/min
- Small Package size ~ 10' x 4' x 7' (w x d x h)
- Atomization of high temperature, reactive alloys (Ti, refractory, HEA)

Retech Metal Atomization Systems utilize proven melting technologies with gas atomization, spin cup atomization or a spin wheel to produce powders that meet the needs of our customers. In addition, Retech can supply post-atomization powder handling and consolidation equipment.



Small Scale Atomizer Specifications

System Type	Small Scale Atomizer
Feedstock Sizes	Ingot: 38mm (1.5") x 500 mm long
Available Powder Handling Equipment	Yes

Technical Data

Power Output	40 kW
Reactive Metals	Yes
Non-Reactive Metals	Yes
In Process Alloying Capability	No

Powder Data

Materials	Stainless Steels
Powder Morphology	Spherical
Atomization rate	10 - 60 kg/hr
Size	D ₅₀ : 20 - 150 μm

[Contact us to learn more.](#)