

# PA

## PLASMA ATOMIZER

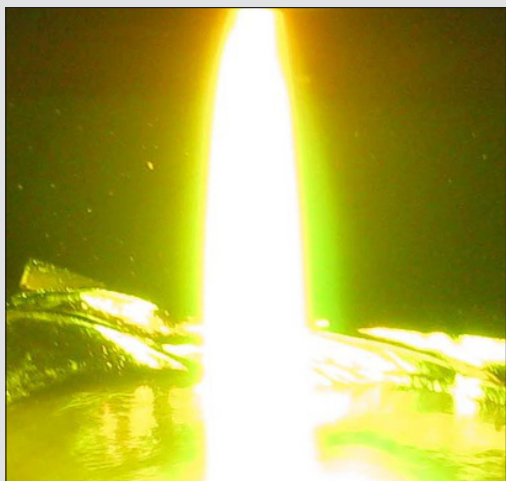
Retech Plasma Powder equipment utilizes our Plasma Arc Melting (PAM) technology in combination with gas atomization to produce powders that meet the needs of our customers. We ensure those customers remain at the forefront of their prospective markets. In addition, Retech can supply post-atomization, powder handling and consolidation equipment.

### For Atomization Of:

- Reactive metals
- Refractory metals
- Amorphous metals
- Super alloys
- Silicon

### Advantages to PGA

- PGA provides an economically viable method to produce **reactive and refractory alloy** powders
- PGA is inherently **scalable** due to use of hearth melting via DC plasma and ability to continuously feed, melt and atomize powder
- Significant **reduction in powder cost** – for improved yield, lower cost raw materials and recycling of revert
- Successfully produced complex refractory HEA (cantor and Refractory metal), TiAl, MoW, Ni alloys on PGA with **best-in-class** power performance



### Plasma Atomizer Specifications

System Type	Plasma Gas Atomizer
Feedstock Sizes	Ingots, compact, scrap, powder, etc.
Available Powder Handling Equipment	Yes

### Technical Data

Power Output	75 kW - 1200 kW
Reactive Metals	Yes
Non-Reactive Metals	Yes
In Process Alloying Capability	Yes

### Powder Data

Materials	Ti 6Al 4V
Powder Morphology	Spherical
Atomization Rate	300 - 1500 kg/hr
Size	D <sub>50</sub> : 50 - 120 mm

**Contact us to learn more.**