

**MAKE METAL POWDER YOURSELF**



**NEXT GENERATION OF  
METAL POWDER  
PRODUCTION**



**SUSTAINABILITY  
MEETS INNOVATION**

**WWW.ATO.AM**





## ATO LAB

Compact ultrasonic atomizer designed for laboratory-scale production of spherical metal powders. It supports both reactive and non-reactive metals and allows alloy design, quick powder production, and flexible configuration via modular feeders. Ideal for R&D and small-scale Additive Manufacturing.



## ATO SPARQ PREMIERE

Next-gen atomizer built for labs demanding automation and intelligent control. It offers open parameters with AI and machine learning for real-time optimization. A durable filtration system with adaptive monitoring supports multiple alloys, while autonomous operation and AI-guided prompts minimize operator input. Dual observation points ensure full-process visibility and consistent powder quality.



## ATO NOBLE

Atomizer for precious metals like gold, silver, and platinum, designed to ensure maximum material recovery and exceptional particle uniformity. Optimized parameters deliver full precision for noble alloys, while an advanced filtration system ensures durability and high yield. Semi-automated operation and dedicated software offer complete control for efficient, high-quality powder production.

## INDUCTION MELTING SYSTEM

Additional module for ATO systems that enables the atomization of irregular or complex feedstock and metals with lower melting point. Increases process flexibility and productivity, maintains high material purity, and supports both crucible and rod-based inputs.





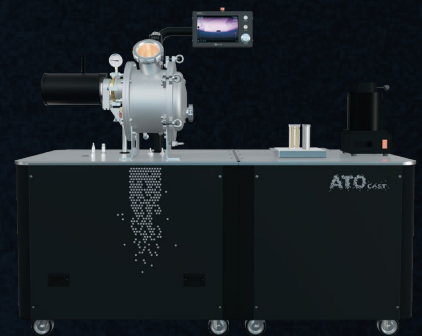
## ATO PURE PREMIERE

Advanced ultrasonic cleaning and drying system that removes ultrafines and moisture from metal powders. It enhances powder flowability, reduces oxidation risk, and ensures consistent performance in AM and powder metallurgy.



## ATO CAST

A professional-grade induction vacuum casting furnace for in-house rod manufacturing and alloy customization. Enables recycling of metal scrap into new rods, supporting sustainable and high-purity feedstock creation.



## ATO SIEVE

A compact, inert-gas-enabled sieving station for post-processing metal powders. Ensures oxygen-free sieving, preventing contamination and optimizing powder quality for Additive Manufacturing applications.



## ATO CLEAN

An ultrasonic cleaner tailored to the ATO series, enabling efficient, hands-free cleaning of atomization components. Essential for preventing cross-contamination when switching materials, featuring a rapid, <30-minute cycle and double filtration system.





# ULTRASONIC FREQUENCY MODULES

Gain precise control over the particle size distribution (PSD) of metal powders to match the exact needs of your application. By choosing from standard, medium, high, or ultra-frequency modules, you can fine-tune particle sizes to enhance performance across a wide range of manufacturing processes.

## ULTRASONIC ATOMIZED SPHERICAL METAL POWDER

Our patented ultrasonic metal atomization technology produces powders with high particle sphericity and excellent flowability, ensuring consistent results.

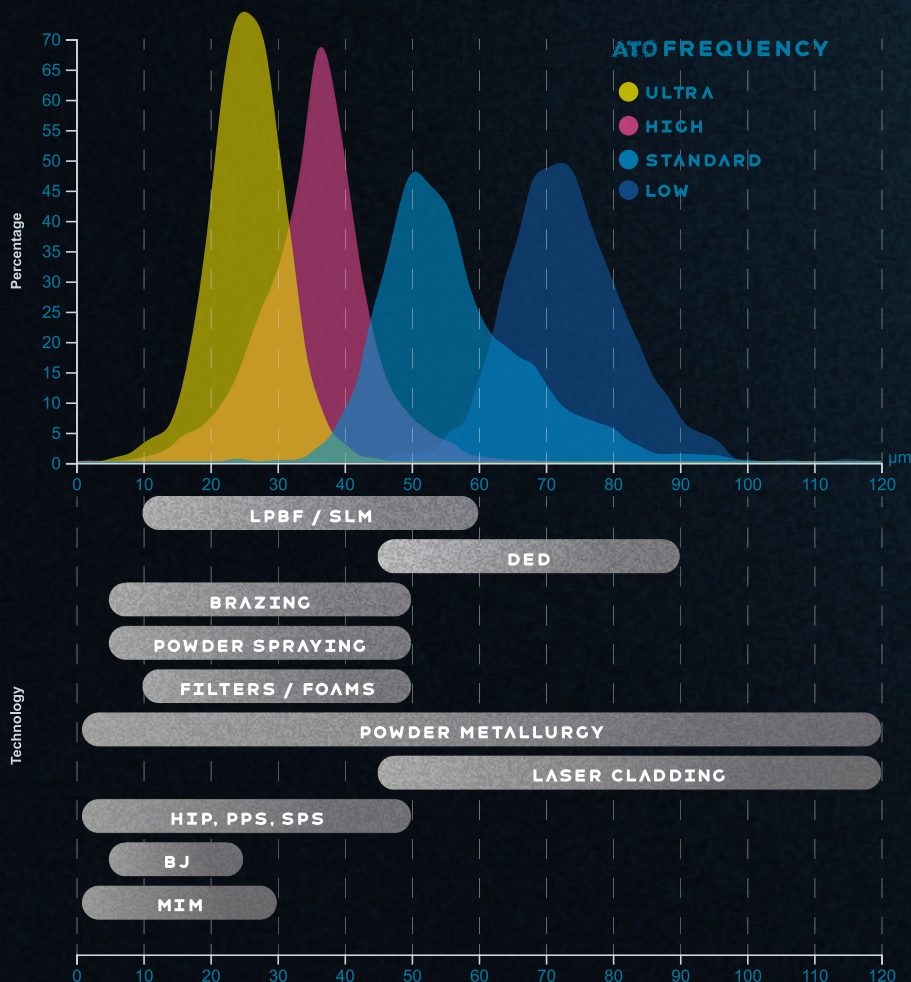
## TAKE CONTROL OVER YOUR POWDER SIZE

Choose the frequency module that best fits your application, from large powders at lower frequencies to ultra-fine powders at higher frequencies.

## TAILORED PRODUCTION

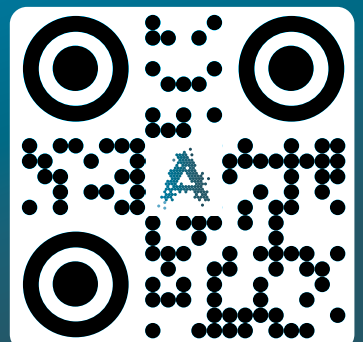
Frequency adjustments enable single-step powder production with precise characteristics, easily adaptable with easy-to-swap module as your needs change.

## CONTROL POWDER PARTICLE SIZE DISTRIBUTION



\* The diagrams show actual atomization results of 316L stainless steel using various ultrasonic frequency systems. Results may vary based on feed materials, properties, spray parameters, process conditions and other variables.

SCAN QR



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