

ATO

BY 3DLAB



INDUCTION MELTING SYSTEM

Induction Melting System (IMS) is an optional and easy-to-swap module designed to increase the capabilities of the ATO ultrasonic metal atomizers.

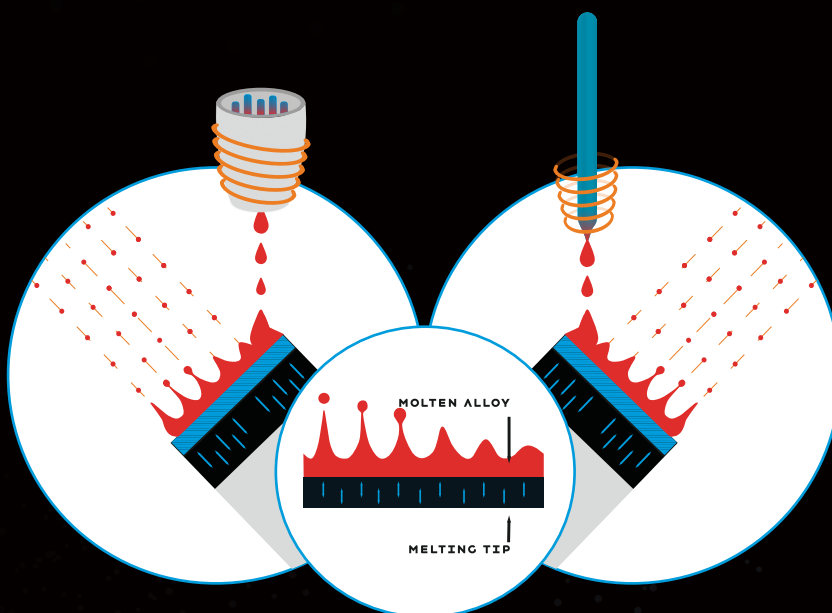
DESIGNATION

Dedicated for ultrasonic atomization, this device powders metals and alloys into a fine, homogenous powder. It's designed to atomize materials with irregular shape feedstock and minimize evaporation of low melting point elements. Ideal for both research labs and Additive Manufacturing centers, it enhances daily operations.

Broaden the spectrum of materials you manage, research new ones, scale your powder production, and achieve higher atomization yields. The IMS module enhances your capabilities and eliminates restrictions on material forms. It provides flexibility enabling you to choose the process best for your demands, whether you want the flexibility of a crucible or the simple setup of rod feeders.

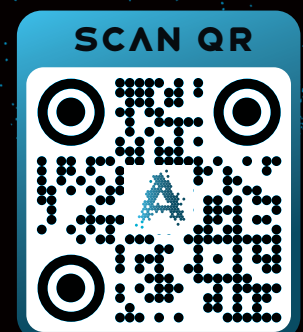
KEY FEATURES

- modular and compact design
- laboratory equipment with low space requirements
- optional and easy-to-swap module for ATO ultrasonic metal atomizers
- compatible with standard ATO rod feeders
- freedom to use both crucibles and rod feeders
- standard crucibles with a volume of 200 cm³ - larger crucibles on request
- increased atomization productivity - process efficiency is significantly higher than a standard configuration
- ensures high chemical purity of atomized materials
- pressurized, precise molten material feeding system
- the process takes place in a sealed chamber filled with shielding gas
- durable, solid atomization platform
- double-layer crucibles to guarantee enough insulation and steady processing
- precise temperature measuring system
- digital monitoring system
- easy to use by a single operator
- expands the range of material for exploration
- ideal for metal powder recovery



CRUCIBLE
 $< 200 \text{ cm}^3$

ROD FEEDER
 SRFS / MRFS / RRFS



VISIT WWW.ATOAM/IMS