



ATO INDUCTION MELTING SYSTEM

EMPOWER ATO CAPABILITIES WITH NEW MELTING MODULE

OVERALL PRODUCT CHARACTERISTIC

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



EASY-TO-SWAP

With the IMS module, you can increase your capabilities and remove limits on input material forms. The IMS offers flexibility, enabling you to choose the process that best fits your demands, whether you want the flexibility of a crucible or the simple setup of rod feeders.

DESIGNATION

Dedicated for use in conjunction with ultrasonic atomization to powder metals and their alloys to create a fine, uniform powder. The purpose of the device is to enable the atomization of materials with non-standard geometries and to avoid the evaporation of elements with low melting point.

Ranging from small research laboratories to Additive Manufacturing production centers, our solution is specifically designed to be highly effective for day-to-day operations.

Expand the range of materials you can work with while successfully researching new ones, scaling your powder production, and reaching significantly higher atomization yields.

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 (SRFS and MRFS)
- 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 setting system
- digital monitoring system
- easy to use by a single operator
- expands the range of material for exploration
- ideal for material recovery
- compatible with ATO Cast (Induction casting furnace designed by 3D Lab)

MAKE HIGH-QUALITY METAL POWDERS AND PREVENT THE EVAPORATION OF ELEMENTS WITH LOW MELTING POINT.