



Enterprise UltraCast



Superior Technology Modernizing the Casting Process

- ☑ Casts most alloys, including Platinum, Palladium, Gold, Silver, CrCo, Titanium
- ☑ Melting with Vacuum and Argon Atmosphere
- ☑ Casting with Argon Atmosphere
- ☑ Low Argon Consumption
- ☑ Pressure Injection Casting
- ☑ No potential for Metal Loss
- ☑ Microprocessor Controlled

Vacuum Induction Pressure Injection Casting Machine

Enterprise Ultra Cast is a revolutionary casting system developed for true Pressure Injection Casting of most alloys.

With this system, your crucible is integrated with your invested flask, eliminating the need for consumable crucibles.

This crucible will have a series of small holes, through which the metal will be forced during the casting process. These holes were designed in a manner so that the surface tension of the metal will keep the metal within the crucible, until the downward pressure applied to the metal forces it through these holes and into the mold cavity.

The Ultra Cast technology will produce a high-quality, high-detail casting that will be very easy to operate.

InductroniX An Induction Technology Solutions Company

Induction Casting Products

Phone: (949) 232-5837

Email: Sales1@Inductronix.com

Features

- ☑ Pressure Injection Casting
- ☑ Compact Tabletop Design
- ☑ Simple Operation – Load – Melt - Cast
- ☑ Loading with Tuning and Diagnostic Features
- ☑ Built-in Compact Water Cooling Unit
- ☑ Easy-to-Navigate User Interface
- ☑ Advanced Induction Heating Technology
- ☑ Sophisticated Control of Vacuum/Argon Atmosphere



Specifications

Model	Absorbed Power kW (max)	Output Frequency kHz	AC Line Current A (max)	AC Line Volts V rms	Line Freq. Hz	Weight Lb (kg)	Dimensions Inches (cm)	Melting T° (max)	Melting Time (sec)	
EUC-4	4	74	22	220/230	50/60	124 (56)	22x20x20 (56x51x51)	3632°F 2000°C	~60 (typ)	
	Casting Time		Variable – Approximately 50-60 seconds for 150 gms of Platinum							
	Max Crucible Capacity		Gold~150g; Platinum~200g; Palladium~200g; Silver~80g; CrCo~80g							

Benefits

- ☑ Cast ALL metals, including Titanium, Precious and Non-Precious
- ☑ Vacuum/Argon Atmosphere prevents oxidation
- ☑ The process does not require consumable crucibles or metal casting rings
- ☑ No Centrifugal Force – No Lost Metal
- ☑ Reliable, modular system, easy to maintain and service
- ☑ Easy to install and simple to operate; Durable and compact

Optional Equipment

- ☑ IR Temperature Control for automated casting (One Button)
- ☑ LCD Control Panel with step-by-step instructions; integrated user manual and troubleshooting guide

Applications

- ☑ Dental Laboratories
- ☑ Medical Implants

