



SUPERIOR TECHNOLOGY MODERNIZING THE CASTING PROCESS

- ▣ Casting most alloys, including: Platinum, Palladium, Gold, Silver, CrCo and 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

The Ecco 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, therefore 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 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 high quality, high detail casting and will be very easy to operate.

Ecco UltraCast

FEATURES

- ☑ Pressure Injection Casting
- ☑ Compact Tabletop Design
- ☑ Simple Operation - Load - Melt - Cast
- ☑ Loaded 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	Output 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)	22 x 20 x 20 (56 x 51 x 51)	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 system

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
- ☑ Jewelry Production
- ☑ Medical implants



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High Frequency

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