

PressCast Mini: Low-Volume, Versatile Casting Systems for Professional Jewelers

The PressCast Mini

The PressCast Mini is designed to meet the demands of small to medium scale jewelry manufacturers. This pressure-over vacuum casting system is versatile and capable of producing exceptional quality castings, including “stone-in-place” techniques for all low melting point metals and alloys such as gold, silver, brass, and more.

Optimal Performance with High Casting Pressure

Achieve flawless results with a high casting pressure of up to 2.5 bar (external vacuum pump required). This ensures the perfect filling of the finest details, making it ideal for intricate designs. The integrated thermocouple probe and temperature controller guarantee consistent casting quality and repeatability, every time.

Advanced Induction Heating Technology

Leverage the power of our advanced induction heating technology for fast and efficient melting. This system offers excellent mixing of molten metal through low frequency electromagnetic pulsing, enhancing the integrity and quality of your final product.



Features

- Pneumatic chamber sealing allows a fast chamber purging cycle
- Pressure casting (2.5 bar) with manual flask lift.
- Uses perforated flasks with flange.
- Max Flask size*: 4x8” with flange.
- Graphite stopper rod eccentrically positioned in the crucible.
- Accurate temperature control with a thermocouple embedded in the rod.
- Advanced LCD touch panel: 10 programmable cycles with 10 parameters per cycle.
- Argon required for casting: maximum 60 L at 2 bar pressure

**Smaller diameter flasks could be used with special accessory rings.*

Specifications

	PressCast Mini
Part number	0UPT-084-100
Power (max)	5 kW
AC Line, (50/60Hz), 1 Phase	230VAC ± 10%
Melting Temperature (max)	1300°C
Crucible Capacity	1 kg Gold (0.5 kg Silver)
Crucible Volume	90 cm³
Flask Size mm (min), DxH	4" x 8" with flange
Vacuum Pump	External
Cooling Requirements (water system quoted upon request)	Water (External)
Cooling Water (min)	5 LpM
Inlet Water Temperature (max)	35°C
Weight Lb (kg)	254 (115)
Dimensions, Inch (mm), LxWxH	23.6" x 21.6" x 25" (600 x 550 x 635 mm)