



### BENEFITS OF INDUCTION HEATING

- Improved energy efficiency
- Higher degree of controllability
- Increased repeatability
- Low maintenance requirements
- Increased productivity

PressCast 3 and 5 are our high-volume, versatile pressure over vacuum casting systems suitable for high volume jewelry manufacturers with demanding requirements.

PressCast can provide excellent quality castings, as well as “stone-in-place” casting of all low melting point metals and alloys commonly used in the jewelry manufacturing – gold, silver, brass and many more.

High casting pressure (up to 6 bar) ensures excellent casting resulting and perfect filling of the finest details. Integrated thermocouple probe and temperature controller ensures perfect casting quality and repeatability.

This advanced powerful induction heating technology provides fast and efficient melting and very good mixing of the molten metal utilizing low frequency (6kHz) and electromagnetic pulsing.

The LCD Touch control panel features modern user interface with intuitive visual feedback. It displays the measured process parameters, receives user input, sets various parameters and saves multiple programs. It also displays detailed help and warning messages and has remote diagnostics features.

#### HEADQUARTERS:

158-2 Remington Blvd  
Ronkonkoma, New York 11779  
Tel: 631.467.6814  
sales@ultraflexpower.com



[ultraflexpower.com](http://ultraflexpower.com)



## FEATURES

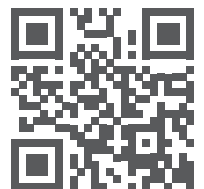
- Dual chamber injection casting system with pressure over vacuum
- High pressure casting (6 bar) with pneumatic flask lift
- Graphite stopper rod positioned at the center of the crucible
- Accurate temperature control with thermocouple placed in the sealing rod
- Multiple programs - 10 programmable cycles with 10 parameters per cycle
- External water cooling - 6 L/min (1.6 gpm) at 3 bar (45 psi) minimum, 30°C
- Integrated vacuum pump - 100 mbar with 40m<sup>3</sup>/hr. pump
- Argon required for each casting– max 60 L, argon pressure 2 bar
- High capacity granulation system (optional)

## SPECIFICATIONS

	PressCast 3G	PressCast 5G
<b>Power (max)</b>	10.0 kW	10.0 kW
<b>Frequency</b>	6 kHz	6 kHz
<b>AC Line, (50/60Hz), 3 Phase</b>	230 V ±10%	230 V ±10%
	380 V/480 V ±10% (optional)	380 V/480 V ±10% (optional)
<b>Melting Temperature (max)</b>	1300 °C	1300 °C
<b>Crucible Capacity</b>	3 kg Au	5 kg Au
<b>Crucible Volume</b>	208 cm <sup>3</sup>	430 cm <sup>3</sup>
<b>Flask Size (max), DxH</b>	120 mm x 300 mm	120 mm x 300 mm
<b>Vacuum Pump</b>	Included	Included
<b>Cooling Requirements</b> water system quoted upon request	Water (External)	Water (External)
<b>Cooling Water (min)</b>	3 LpM (0.75 GpM)	3 LpM (0.75 GpM)
<b>Inlet Water Temperature (max)</b>	35 °C	35 °C
<b>Weight</b>	290 kg (639.3 Lb)	425 kg (937 Lb)
<b>Dimensions, LxWxH</b>	70 cm x 101 cm x 135 cm (27.6" x 39.8" x 53.1")	70 cm x 101 cm x 135 cm (27.6" x 39.8" x 53.1")

## APPLICATIONS

Casting – pressure.



[ultraflexpower.com](http://ultraflexpower.com)