



## *DS2 Vacuum Plus*



Superior Technology  
Modernizing the Casting Process

- ❑ Casting Precious and non-Precious Metals
- ❑ Accurate and Reliable
- ❑ Fast and Versatile

### **Centrifugal Induction Casting Machine DS2 VacuumPlus**

Induction casting machines for casting of all dental metals, including precious and non-precious metals and alloys.

These casting machines provide fast and versatile induction melting and accurate and reliable casting with centrifugal injection. The casting method allows easy spruing and achieves extremely compact metal.

Perfect homogenization of the alloy ensures that the structure of the metal is retained after casting.

Machines are designed in accordance with CE safety regulations and equipped with necessary devices for safe operation

# InductroniX An Induction Technology Solutions Company

## Induction Casting Products

Phone: (949) 232-5837

Email: Sales1@Inductronix.com

### Features

- Centrifugal injection casting with pneumatic movement for fast coil descent
- Integral water cooling system with pressure and water temperature control
- Centrifugal arm balancing with adjustable counterweight
- Temperature reader with automatic or manual working cycle
- Melting power regulation
- Direct drive motor with centrifugal acceleration regulation: 0.1 to 1 sec.
- Max rotating speed – 500 turns/min. Rotation time pre-set at 45 secs.
- Auto locking of the chamber lid during centrifugal phase for maximum safety
- Integral 12m<sup>3</sup> vacuum pump
- Inert (Argon) gas circuit included

### 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)
DS2	3	50-80	16	220/230 Single Phase	50/60	265 (120)	20x24x38 (50x60x95)	3632°F 2000°C
	Air Consumption		6.5 Atm					
	Max Crucible Capacity		80g of Gold, Cr/Co or Ni/Cr					

### Benefits

- Cast all dental alloys: precious and non-precious. Automatic frequency setting.
- Highly efficient technology. Low energy consumption.
- Fast and reliable induction melting.
- Complete protection from oxidation thanks to vacuum and gas argon protection.
- Reliable, modular system, easy to maintain and service.
- Easy to install and simple to operate.

### Optional Equipment

- IR Temperature reader with electronic control
- Argon gas dispenser over the crucible

### Applications

- Dental Laboratories
- Medical Implants

