

PLATINUM CASTING MACHINE

JCM Series

ECCO's JCM Series are brought to you by a pioneer in the field of Jewelry Casting. Over 5 decades of experience are behind every unit. The proven design and field tested units, satisfy the Casters, Jewelry and lost wax microcasting industries growing needs in an Induction Centrifugal Casting Machine. There are models for every budget and platinum requirement. Manufactured to the highest standards in the USA,

Features and Benefits

- ✓ 100% Solid State Power Supply
- ✓ Latest in electronic technology for high efficiency and reliable performance
- ✓ Capable of Melting and Casting all Jewelry noble metals and alloys, including but not limited to: Gold, Platinum, Silver and Stainless Steel
- ✓ Able to Melt and Cast under Normal, Inert Atmosphere over the crucible to prevent oxidation of the molten alloy, Back Fill Gas to protect the molten metal and the flask, or Vacuum
- ✓ Melt 150 Grams of Platinum under 30 Secs. employing 7.5Kw
- ✓ Dual Wave Length Optical Radiation Pyrometer allows non-contact temperature measurement and precise control
- ✓ Temperature Control within 5 Degrees of Set Point
- ✓ Proportional Output Control maintains stirring action throughout the melt for alloy temperature homogeneity
- ✓ Automatic soaking is accomplished by a Variable solid state Soak Timer 0-99 Minutes
- ✓ Pivotal casting arm allows easy balancing
- ✓ DC Motor provides quick start and complete fill
- ✓ Variable casting arm speed and torque to match alloy type and casting flask size
- ✓ Crucible slide forward design, reduces metal spillage while casting
- ✓ Panels, Water Pressure, Start-Stop circuit will unlatch in the event of a fault condition
- ✓ Centrifuge Safety Interlocked
- ✓ Water flow and temperature sensor
- ✓ Front panel "Start", "Stop/Reset" push buttons
- ✓ Main Line Circuit Breaker
- ✓ Overload Protection
- ✓ Viewing port with Cobalt blue glass
- ✓ Modular construction
- ✓ Compact Size
- ✓ Built to meet UL Standard



(JCM I-V Shown)

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(JCM IV-V Shown)

Specifications	JCM I	JCM I-V	JCM II	JCM II-V	JCM IV-V
Charge Size Max (Grams)	155Pt	155Pt	300Pt	300Pt	1K SST
Flask Size					
Diameter (In)	3 1/2	3 1/2	4 1/2	4 1/2	5
Height (In)	4	4	6 1/2	6 1/2	8
Input					
Voltage (Vac)	190-250	190-250	190-250	190-250	190-250
Current (Amps)	30	30	30/50	30/50	30/50
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Phase	3	3	3	3	3
Vacuum Casting Capability	No	Yes	No	Yes	Yes
Water Input Mir (PSI)	25	25	25	25	25
Air Pressure Min (PSI)	40	40	40	40	40
Output					
Power (Kw)	7.5	7.5	7.5/15	7.5/15	7.5/15
Frequency (KHz)	80	80	80	80	10/80
Physical					
Height (In)	36	36	36	36	46
Width (In)	27	27	30	30	44
Depth (In)	27 1/4	27 1/4	30 1/4	30 1/4	44

The above specifications are standard, we also offer custom design and modifications to meet the precise needs of the customer. Our engineering staff will gladly work with you to ensure that the product you select, matches your current and future requirements.

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Visit our Web Site at <http://www.ecco.com>

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