

TE Thomson Equipments
"We Create Confidence Through Quality"



FOR THOMSON EQUIPMENTS APP



Manufacturing Customized Jewellery Induction Casting, Melting, Brazing Machines, Investment Mixers, Electro-Plating & Hydro-Pneumatic Sprue cutters Etc.

VACUUM INDUCTION TABLE-TOP TURBO-PRESSURE CASTING MACHINE :

MODEL NO: PEARL VPC TURBO 500-T



FEATURES :

- Fully IGBT technology.
- Easy Casting with 100% mixing with Vacuum and Gas with process Indication.
- Three mode Casting:- Direct casting, Interval casting and Manual Casting with TURBO-PRESSURE Casting Feature.
- Down-pouring type Water cooled Melting Chamber.
- "K", "R" and "S" Type Thermocouple, Temperature Upto 1400 Deg. C.
- Microcontroller Based Touch screen Control Panel with 5000 Program memory with more excellent features.
- Water cooled Melting & Flask Chamber.
- Easy Installation due to compactness, Servicing and Calibration.
- Inbuilt Vacuum Gauge and Pressure Gauge.
- High efficiency and high performance with TURBO-PRESSURE Feature.
- Medium frequency Induction melting with excellent churning (auto stirring) for Jewellery Casting.

TECHNICAL SPECIFICATIONS :

Power Supply	: Single phase & three phase (220 V & 440 V).
Power Consumption	: 5 Kw.
Crucible Capacity	: 500 Grams.
Max. Melting Time	: 3 Mins.
Max. Temperature	: 1400 Deg. C.
Water Circulation	: 3 Ltrs. / Min.
Dimension	: 30" x 24" x 30" H.
Weight	: Approx. 60 Kg.

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VACUUM INDUCTION TURBO-PRESSURE

CASTING MACHINE :

MODEL NO: PEARL VPC TURBO 1000/2000/5000



FEATURES :

- Fully IGBT technology.
- Easy Casting with 100% mixing with Vacuum and Gas with process Indication.
- Three mode Casting:- Direct casting, Interval casting and Manual Casting with TURBO-PRESSURE Casting Feature.
- Down-pouring type Water cooled Melting Chamber.
- "K", "R" and "S" Type Thermocouple, Temperature Upto 1400 Deg. C.
- Microcontroller Based Touch screen Control Panel with 5000 Program memory with more excellent features.
- Water cooled Melting & Flask Chamber.
- Optional Metal shotting tank.
- Easy Installation due to compactness, Servicing and Calibration.
- Available in various capacity 1Kg to 5 Kg and above.
- Inbuilt Vacuum Guage and Pressure Guage.
- High efficiency and high performance with TURBO-PRESSURE.
- Medium frequency Induction melting for excellent churning (auto stirring) for Jewellery Casting.



TECHNICAL SPECIFICATIONS :

- | | |
|----------------------------|--|
| • Power Supply | : Single phase & three phase (220 V & 440 V). |
| • Power Consumption | : 5 to15 KW and more as per crucible capacity. |
| • Crucible Capacity | : 1 Kg.(upto 5Kg.) |
| • Max. Melting Time | : 3 Mins. |
| • Max. Temperature | : 1400 Deg. C. |
| • Water Circulation | : 3 Ltrs. / Min. |
| • Dimension | : 24" x 24" x 42" H. |
| • Weight | : Approx. 95 Kg. |

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VACUUM CENTRIFUGAL CASTING MACHINE

MODEL NO: PEARL VCC-2000.

FEATURES :



- Fully IGBT technology.
- Easy Casting with 100% self mixing with Vacuum process with Indication.
- Three mode Casting:- Auto, Semi auto and Manual Casting.
- Acceleration controlled Double swing arm for Smooth surface and loss control with perfect casting with filigree.
- Optical Pyrometer Controlled accurate thermal control with high Efficiency.
(Please Note: Optical Pyrometer cost Excluded).
- Microcontroller Based Touch screen Control Panel with 5000 Program memory with more excellent features.
- Easy Installation due to compactness, Servicing and Calibration.
- Available in various capacity 350 Gr.Pt. to 2 Kg Gold.
- Inbuilt Vacuum Guage and Air Guage.
- Medium frequency Induction melting for excellent self churning (auto stirring) for Jewellery Casting.
- The optimum casting result is to be achieved with best efficiency of metal developed "Double Swing Arm" by Thomson Equipments.
- The best Casting Performance with Silver, Gold, Steel and Platinum.
- Available in Various sizes. As per requirement.
- More Details Contact Us.

TECHNICAL SPECIFICATIONS :

- **Power Supply** : Three phase (440 volts).
- **Power Consumption** : 5 to 15 KW and more as per crucible capacity.
- **Crucible Capacity** : 1 Kg. (upto 2Kg.) Gold.350 gram, Platinum.
- **Max. Melting Time** : 3 Mins.
- **Max. Temperature** : 2000 Deg. C.
- **Water Circulation** : 3 Ltrs. / Min.

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VACUUM INDUCTION TILTING PRESSURE CASTING MACHINE

MODEL NO: PEARL VTC-350.

FEATURES :



- Fully IGBT technology.
- Easy casting with 100% mixing with Vacuum and Gas with process Indication.
- Three mode casting :- Direct casting, Interval casting and Manual casting feature.
- TILTING type water cooled SS-304 Melting and Flask Chamber.
- “K” and “R” type Thermocouple, Temperature upto 1400 Deg. C.
- Optical pyrometer for 2000 Deg. C.
- Microcontroller based Touch Screen Control Panel.
- Easy installation due to compactness, Servicing and Calibration.
- Available in various capacity 500 Gram to 5Kg and above for Silver, Gold and Platinum.
- Inbuilt Vacuum Guage and Pressure Guage.
- High efficiency and high performance with medium frequency Induction melting for excellent churning (auto stirring) for Jewellery Casting.

TECHNICAL SPECIFICATIONS :

- **Power Supply** : Single phase & Three Phase (220 V & 440 V).
- **Power Consumption** : 5 to 25 KW and more as per crucible capacity.
- **Crucible Capacity** : 1 Kg. (Upto 5 Kg.).
- **Max. Melting Time** : 3 Mins.
- **Max. Temperature** : 2000 Deg. C.
- **Water Circulation** : 3 to 6 Ltrs. / Min.
- **Dimension** : 24” x 24” x 40” H.
- **Weight** : Approx. 80 Kg.

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VACUUM INVESTMENT MIXER :

MODEL NO: TEIM-1/3/5



FEATURES :

- Available In Various Sizes.
- Inbuilt Vacuum Pump.
- Rotating Flask Chamber.(Subject to Model)
- Inbuilt Vibrator.
- Inbuilt Mixer.
- Available in single phase & three phase.
- Advanced quality.
- Easy to operate.
- Advanced features with speed control.
- Also available in custom design.
- Inbuilt AC Motor Drive with 0-100% Mixing Speed.

TECHNICAL SPECIFICATIONS :

- **Power Supply** : Single Phase (220 v) / Three Phase (415V).
- **Power Consumption** : 2 Kw. (Approx.)
- **Mixing Capacity** : 10 Kg. (Approx.)
- **Flask Chamber** : 4"x 12"X 5nos.
- **Dimension** : 24"x 48"x 48" H.
- **Weight** : 110 Kg.

PNEUMATIC HYDRAULIC SPRUE CUTTER



FEATURES :

- Cuts sprues up to 5 mm thick.
- Fast cutting.
- Adjustable blade fixture.
- Jaws and blades have long life.

TECHNICAL SPECIFICATIONS :

- **Working Pressure** : Approx.9,000 PSI.
- **Input Pressure** : 75 - 120 PSI.
- **Dimension** : 11" L x 6" x 22" H.

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HEAVY DUTY INDUCTION METAL MELTER



FEATURES :

- Fully IGBT technology.
- Medium frequency induction melting for excellent churning (auto stirring) for jewellery industry.
- Available in various capacity 1 kg. To 5 kg. and above.
- Digital PID temperature controller / optical pyrometer.
- Temperature more than 1200 deg. C, 1400 deg. C & 2000 deg. C for gold, silver, Nickel, Palladium, Platinum and also we provide for Titanium and other reactive metal and higher temperature.
(Please note:- This melter is not designed for reactive metals).
- Available in Optimum sizes.
- High efficiency and high performance.



TECHNICAL SPECIFICATIONS :

- **Power Supply** : Single phase & three phase (220 V & 440 V).
- **Power Consumption** : 5-10 KW and more as per crucible capacity.
- **Crucible Capacity** : 1 Kg to 5 Kg as per requirement.
- **Max. Melting Time** : 3 to 10 Mins.
- **Max. Temperature** : 1200 Deg. C (1400 Deg. C Optional).
- **Water Circulation** : 3 Ltrs. / Min.
- **Dimension** : 18"x 18" x 24" H.

HEAVY DUTY GOLD MELTER

FEATURES :

- Advanced quality Transformer Based.
- Inbuilt Temperature controller upto 1150 Deg. C.
- "K" type thermocouple with Superior performance.



TECHNICAL SPECIFICATIONS :

- **Power Supply** : Single Phase / Three Phase.
- **Power Consumption**: 500 watts to 10 Kw.
- **Crucible Capacity** : 500 Gr. to 5 Kg.
- **Dimension** : 12"x12"x24" H.
- **Weight** : 20Kg. (Approx.)

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ABOUT US

Established in the year 1998, Thomson Equipments is a leading organization engaged in Manufacturing, Exporting, Supplying and Trading high quality range of Casting Machine, Heavy Duty Induction Metal Melter, Pneumatic Hydraulic Sprue Cutter, Magnetic Polisher, Heavy Duty Vulcanizer etc. We develop advanced, reliable, superior and sustainable machines which are best in performance and work for long functional life. With the help of our diligent professionals and wide business network, we supply our products to various regions of the world. We follow ethical policies, and maintain best contacts with several leading firms which help us meet the variegated demands of our clients.

OUR SPECIALITY



Thomson Equipments is a highly acknowledged organization engaged in Manufacturing, Exporting, Supplying and Trading high quality range of Casting Machine, Heavy Duty Induction Metal Melter, Pneumatic Hydraulic Sprue Cutter, Magnetic Polisher, Heavy Duty Vulcanizer etc. Our product ranges are wide and cater essential requirements of various industrial sectors. With our broad industrial exposure, we are able to develop superior products with long performance and advanced features. These are precisely designed, duly verified and offered at beneficial price range.

OUR MISSION



Thomson Equipments is a prominent enterprise engaged in Manufacturing, Exporting, Supplying and Trading high quality range of Casting Machine, Heavy Duty Induction Metal Melter, Pneumatic Hydraulic Sprue Cutter, Magnetic Polisher etc.

QUALITY ASSURANCE



Our products are designed using advanced technology to meet the international quality standard. These are precisely engineered by expert technocrats and are duly verified on different quality parameters. All our extended varieties of products are appreciated by various clients all across the world. These are acquired by various leading firms and are known for their superior performance. We ensure best and sustainable products with complete quality assurance.

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