**Foundry Lab**

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**MAGNESIUM METAL STIR CASTING FURNACE**

**Make**: **VB Ceramics**

**Model**:VBCC / MM-SCF / 1000°C

### Specifications:

|  |  |
| --- | --- |
| CRUCIBEL VOLUME | 200mm Di. X 300mm |
| Operating TEMPERATURE | 1000°C (Max. 1100°C) |
| THERMOCOUPLE | K – Type (225mm long) with 1°C accuracy |
| POWER | 4KW – SINGLE PHASE/AC/230V |
| Furnace Actual Current Rating | 15 Amps (Max) |
| Stirrer Motor Capacity and Speed | AC motor with 0.25HP and 1400rpm |
| Die material | Cast Iron |

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**COMPOSITE MATERIALS FABRICATION EQUIPMENT**

**Make: VB Ceramics**

***Specifications:***

|  |  |
| --- | --- |
| **Mould Volume** | **Dia. 50 mm X height 150 mm** |
| **Operating Temperature** | **1000oC (Max 1100oC)** |
| **Thermocouple** | **K Type (225 mm Long) with 1oC accuracy** |
| **Power** | **4kW- Two Phase/ AC/ 230 V** |
| **Furnace Actual Current Rating** | **15 Amps (Max.)** |
| **Working Atmosphere** | **Vacuum/ Inert Gas (Up to 5 Bar)** |
| **Die Material** | **Stainless Steel** |



**INJECTION MOULDING MACHINE**

**Make**: TEXSHINE

**Model**: 7 HL

**Specifications:**

|  |  |
| --- | --- |
| Maximum mold size | 250 x 250 mm |
| Maximum short weight | 60 grams |
| Maximum daylight opening | 450 mm |
| Motor power | 3.75 kW |
| Heater load | 2.5 kW |
| Machine operating pressure | 105 bar |
| Electrical system | Time based control |
| Maximum temperature | 220°C |



**ROTATIONAL MOULDING MACHINE**

Make :VINODRAI Engineers Pvt. Ltd

Model : EN 200 PLC

**Specifications**

|  |  |
| --- | --- |
| Suitable For | Making plastic water storage  tank of 200 liters or plastic articles |
| Power Requirement | 3HP 415V 3Phase |
| Control | PLC with Touch Screen |
| Fuel | LPG |
| Material Used | LLDPE |
| Rotation | Biaxial |
| Major(X) & Minor(Y) Axis Speed Range in RPM | 0–8 |
| Maximum Temperature | 210°C |
| Sensing Device | Wireless temperature sensing device for measuring peak internal air temperature of the mould |
| Size Of The Machine (LxWxH) in m | 3.4 x 2.4 x 2.0 |



**SAND MULLER**

**Supplier: METSONIC ENGINEERS PVT LTD**

**Specifications**

|  |  |
| --- | --- |
| Capacity | 75 kg. |
| Pan diameter (internal) X ht | 900 x 400 mm |
| Roller diameter X width | 400 x 90 mm |
| Motor | 3 hp 1440 rpm |
| Rotation | clockwise |
| Spindle rpm | 32 |
| Mulling time | 4 to 5 minutes |

