

Crystal Growth Setup

VENDOR

M/s. CRYSTAL SEMI,
Chennai

Specifications

- Capable of growing single crystal
- Homogeneous distribution of substituent in the entire crystal volume and the minimization of flux inclusion
- Rotation setting: 0.1 to 77 RPM
- Cycles: 0 to 99 cycles
- Methods of rotation: Auto mode, manual mode, Fixed moar, Bidirectional mode and Acceleration mode
- Ten settings of Acceleration, constant and deceleration
- Direction of rotation change by optocoupler based signaling
- Inbuilt SMPS based power conditioning system
- Temperature bath with precise temperature stability
- Smart PID controller
- Dual digital display settings
- Power supply: 230v, 50Hz AC
- Teflon based crystal holder
- 5 pin connector for rotation system motor
- Inner tank Capacity: 40 liters.
- Inner tank size: 470 X 260 X 350 (L X WX D)
- Work space: 365 X 260 X 350 (L X WX D)
- Temperature controller: Microprocessor based programmable controller
- Automatic boost heating and high safety cut off.
- Sensor: PT 100
- Controller resolution: 0.01 °C
- Control accuracy: + 0.01 °C
- Inner tank made of Polished 304 grade corrosion resistant stainless Steel
- Outer made of Mild Steel with powder coated.
- Double Stirrer for Uniform Temperature.
- Visibility through toughened glass windows, with fluorescent light
- Corrosion resistant, immersion stainless steel heaters to operate even at the low water levels.
- Provided Adjustable tray to accommodate beakers/jars.
- Plain lid with Holes (suitable beaker)
- Drain at the bottom of the tank.
- Suitable for operation on 230 Volt, 50 Hz, single phase.