

MEHROTRA 
Biotech

INCUBATOR ORBITAL SHAKER

Quiet Operation

Triple Digital Display



Mehrotra Biotech make

INCUBATOR ORBITAL SHAKER

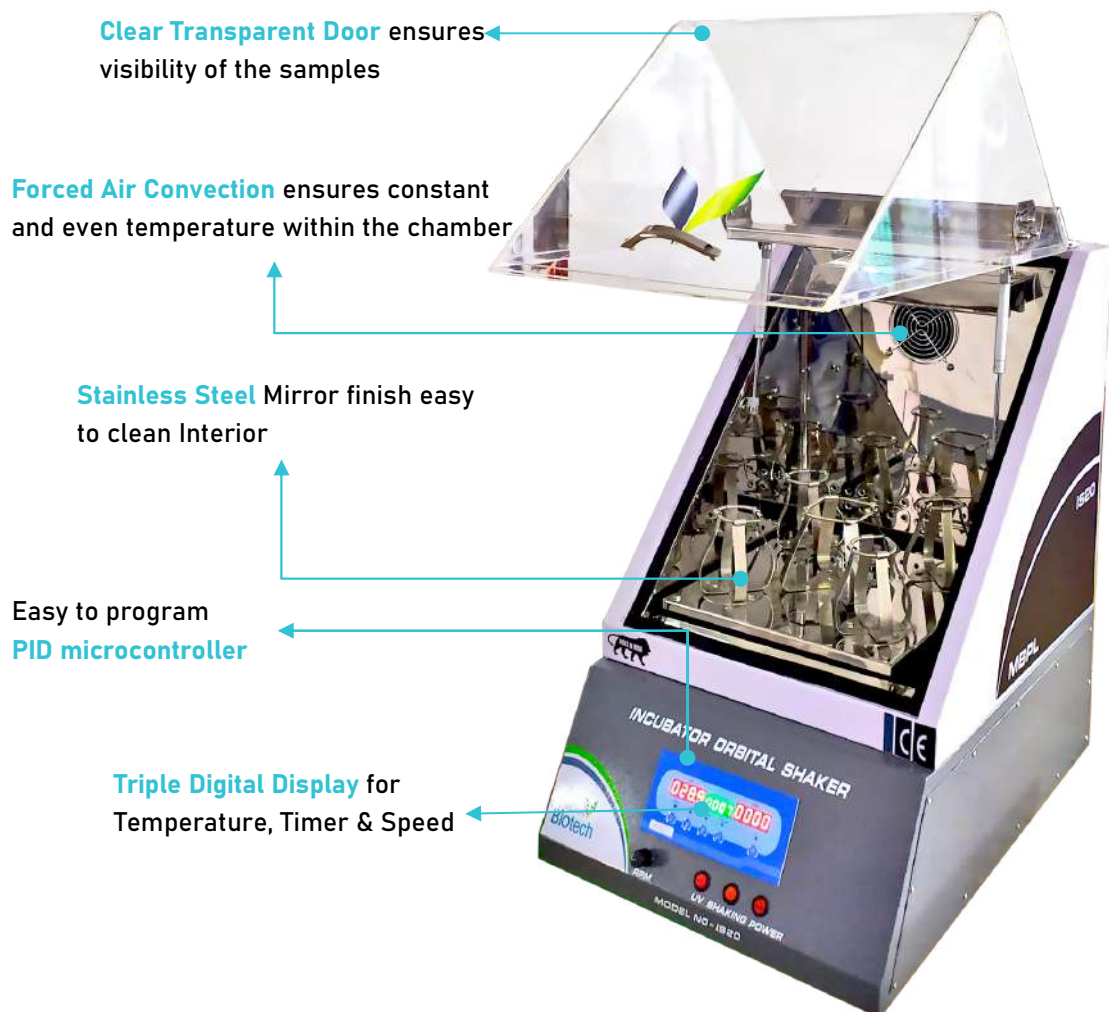
Incubator Orbital Shaker IS20 for biotechnological and pharmaceutical laboratories is a next generation, professional category equipment.

Built-in noiseless thermo-resistant brushless fan provides precise temperature distribution inside the chamber (adjustable for up to +80°C). The inner chamber is made of stainless steel. State-of-the-art motor, newest thermal insulation materials, soft-start of the platform motion and temperature PID-control decrease the energy consumption and make the Incubator Orbital Shaker highly energy efficient.

IS20 is equipped with a direct-drive mechanism for platform motion. It provides reliable and stable operation for the long term experiments needed for cell growth.

Key Features

- **Brushless DC motor** for longer operation life
- **PID microprocessor controller** provides precise control.
- Separate **Digital Display for Speed, Temperature and Timer control** for precise accuracy & repeatability
- **Wide temperature range** (ambient to 70°C)
- Robust & Compact **benchtop Construction** with 8mm **Clear Plexiglass transparent door**.
- **Direct drive orbital shaking** mechanism
- Unit exteriors are formed of cold-rolled steel finished with **corrosion resistant powder coat paint**.
- **Chamber interiors and shelves are made of stainless steel**, which provides excellent durability and an easy-to-clean surface
- **Germicidal UV Lamp** for dis-infection.



SPECIFICATIONS

Model No	IS20
Overall Dimensions	20x27x33 inch
Weight	150 kg
Power Consumption	1 KW
Operating Voltage	230V, 15A
Display	Digital Display for temperature, Timer & Speed
Controller	PID Microcontroller with temperature & timer control
Temperature Range	26°C to 70°C
Speed Range	30 to 300 rpm
Orbital Displacement	21mm
Maximum Load Capacity	10 KG
Motor	Brushless DC Motor
Illumination	6W LED
UV Lamp	8W UVC Germicidal Lamp
Temperature Sensor	PT100 type RTD sensor

ACCESSORIES



We provide 1 Nos. 2 liter Capacity Flask holder and 4 nos 1 liter Capacity Flask holder as standard fitment in stainless steel construction.

Additional Flask holders Can be ordered separately as per the requirement

APPLICATION

IS20 finds its application in researches on bacteria, Cultivation, Fermentation, Hybridization, Chemical & biochemical reaction, Cell culture, enzymes and tissue research, culturing microbes and DNA application which are having high requirement on precision of shaking and temperature.



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