Innovation | Technology | Precision
.... our key to excellence

For over 30 years now, NEWTRONIC LIFECARE has established itself as one of the leading brands in the space of Laboratory Equipments. Through a setup of task-specific departments, inter-department synergy & adherence to processes, we ensure a professionally managed environment for our employees & customers. We understand very clearly that the backbone of a successful customer relationship is an after-sales support that responds quickly & efficiently. We have therefore established service centers in all the major pharma hubs & states of India as well as in 40 countries internationally.

Welcome to the world of
NEWTRONIC – the name you can trust

- Established in 1980
- Manufacturing facility of over 60,000 sq. ft.
- Export to 40 countries worldwide
- Online services support
- Globally available superior quality components
- PLC-based intelligent controlling systems
- Web-based software to access the chambers from anywhere, anytime
- Installation of more than 10,000 Chambers
- Large-sized chambers of upto 1 Million Litre capacity
- Execution of a single order of Walk-In Stability Chambers worth (₹) 100 Million (USD $1.7 Million)
Temperature Range: 10°C to 40°C

**Photo Stability Chambers**

- Double walled with PUF insulation
- Interior & Exterior SS 304. **Interior is provided with mirror finish**
- Stainless Steel trays
- Full-length inner glass door, metal door with gasket & lock on the outside
- Forced air circulation for uniform temperature
- PU wheels for easy movement
- Fluorescent tube light fitted in the centre of the chamber to provide illumination & produce visible light measured in lux
- UV light of wavelength 365nm (measured in watt/sq. m.) fitted on top of the chamber
- U-shaped SS tubular heaters
- CFC free cooling system consisting of hermetically sealed compressor coupled with evaporation coil & condenser
- Complete Operations driven through PLC with data logging capacity of upto 1000 readings & email facility
- High speed Ethernet based communication
- All operations through a single 4” Color Touch Screen
- High-quality PT-100 Temperature sensor
- Safety devices: Low & high temperature cut-off settable thermostats.
- **Safety thermostat switches off the lights upon temperature overshoot.**
- **Automatic switch off of UV lights upon door opening**
- Audio/Visual alarms for deviations
- Complete with DQ, IQ, OQ, PQ & SOP & Maintenance Manual

**Power supply:** 230 volts 50 Hz main supply. Also available with 60 Hz Cycle.

**Optional Accessories**

- ICDAS - A Single Software installation for all Newtronic make equipments
- LUX and UV meter
  - Hand held or
  - Real-time measurement by inbuilt sensor
- Door Access System (Numeric or Biometric)
- Remote alarm system suitable for upto 4 nos. Newtronic make equipments
- Mobile Alert System

**Selection Guide**

<table>
<thead>
<tr>
<th>Exterior &amp; Interior are of Stainless Steel (SS 304)</th>
<th>Capacity</th>
<th>Internal Size</th>
<th>External Size</th>
<th>Trays Qty.</th>
<th>Tray size</th>
<th>Approx. Weight kg</th>
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<tr>
<td></td>
<td>CuFt</td>
<td>Litre</td>
<td>(H<em>W</em>D)mm.</td>
<td>(H<em>W</em>D)mm.</td>
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<td>925 x 700 x 690</td>
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<td>227</td>
<td>600 x 630 x 600</td>
<td>1410 x 790 x 1005</td>
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<td>580 x 560</td>
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## Touch Screen Door Access System
- Both Password-based and Biometric based access control
- Restricts access to unauthorized persons

## Humidity System
- Non-condensing Steam injection (Reach-Ins & small capacity Walk-Ins)
- Principles of Dew Point Control (Walk-Ins)

## Standby Humidity & Cooling Systems
- Completely ready-to-use systems
- Automatic switch-over upon failure of primary systems
- Switch-over also upon detection of HP/LP & Internal faults
- Scheduled & manual change-overs
- Booster Cooling for faster recovery
- Recording of all change-overs in the software

## Complete Range of Alarms
- Temperature & Humidity Deviations
- Door Opening
- Water Supply Failure
- Component Failure
- Mains Failure

## Alarm Transmissions
- To Software
- To Remote Location (such as Security Gate)
- Through detailed SMS Notification
- Locally at equipment (audio-visual indication & on the display)

## Mobile Alert System
- Time of Alarm transmission
- Name of Equipment
- Transmitted Message (Equipment Name, Alarm time, Type of Alarm & Limits)

## Safety
- Temperature Overshoot/Undershoot
- Humidity Overshoot
- Low water-level
- Delay Timer to safeguard the Compressor
- MCB to cut-off over-current supply
- Standby Controlling Sensor upon failure of Primary
- In Walk-in chambers door can be opened from inside
- Emergency Bell switch inside the Chamber

## Multiple Sensors
- Either 4 or 8 probes can be placed
- Helps study the distribution of conditions in the different locations of the chamber
- Works as an auto-validation system
- Easy detection of drift in the sensors
- Helps determine the variations in conditions by change in sample-loading pattern

## Documentation & Training
- DQ, IQ, OQ, PQ & SOP & Maintenance Manuals
- Calibration Certificates
- GA & Electrical Drawings
- Material Test Certificates
- Training to end-users

## Audit Support
- Quick Resolution to NCs
- Justification to Excursions
- On-site support
- Remote support via Team Viewer
- Documentation

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**Features | Functions | Flexibility**

### Ethernet Communication:
- High-speed data transfer
- Significantly faster than serial (RS-485) communication
- Global standard for communication protocol
- No need for a separate PC interface
- Data Operations from any PC over the LAN

### 2nd Generation I-Series Controllers
- No Data Loss: Data Storage of 1000 readings on the PLC itself
- At an interval of 30 mins, data upto 20 days is stored on the PLC itself

### Touch Screen Display
- All operations through a 4” Color touch screen display
- PLC IP Address setting
- Component Working Hours
- Standby system change over
- Password protection for set values and calibration mode
- User manual, Troubleshooting and Preventive Maintenance procedure
- Alarms recordings

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**Precise Control with diverse Application**
Internationally proven innovative product range

NEWTRONIC LIFECARE EQUIPMENT PVT. LTD.

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Nr.Chakala Metro Station, Andheri (East),
Mumbai- 400093, India
T: +91 22 6853 4600

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Road No.: 13, At Umbergaon – 396171,
Dist.-Valsad (Gujarat)
T: 0260-2561411/22/33 /77

Newtronic Service centers:

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<tbody>
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* Newtronic reserve the right to change product specifications without prior notice

service@newtronic.in | service.exports@newtronic.in

The name you can trust