



*The name you can trust*



Innovation | Technology | Precision



Newtronic Lifecare Equipment Pvt. Ltd.  
[www.newtronic.in](http://www.newtronic.in)

**Manufacturer of** Humidity (Stability) Chambers | Walk-in Chambers | Deep Freezers | Ultra Low Deep Freezers | Cooling Chambers | Photostability Chambers | Incubators | Web based Software

# Stability Chambers

## Stability Chambers



Suitable for 25°C 60%Rh, 30°C 65%Rh, 40°C 75%Rh, 30°C 75%Rh, 25°C 40%Rh, 40°C NMT 25%Rh & many other such conditions.

**Temperature Range:** 20°C to 60°C  
**Humidity Range:** 40%Rh - 95%Rh  
**Capacity (Liters):** 200, 430, 735, 1000, 1500, 2000

## Photostability Chambers



Designed as per ICH Q1B, Option - 2 for forced degradation testing and confirmatory studies. Chambers are used to study the photogenic effect on the samples when exposed to UV light & day light separately or combined.

**Temperature Range:** 10°C to 40°C  
**Capacity (Liters):** 100, 227

## Freeze-Thaw Chambers



Designed as to study freezing & thawing effect on the products. The min. temperature, max. temperature & cyclic time are all user-settable allowing the user to program a specific profile for their studies.

**Temperature Range:** -20°C to 60°C  
**Capacity (Liters):** 200, 300, 400, 700, 1050, 1500

# Low Temperature Chambers

## Cooling Chambers



For storage of raw material at 5°C & for stability studies of refrigerated products.

**Temperature Range:** 2°C to 8°C  
**Capacity (Liters):** 200, 430, 735, 1000, 1500, 2000

## Deep Freezers



For storage of samples & raw material that need to be refrigerated at sub-zero temperatures.

**Temperature Range:** (-25)°C to 0°C  
**Capacity (Liters):** 200, 300, 400, 700, 1050, 1500

## Combo Refrigerator



A two zoned Temperature Refrigerator that offers Refrigerator and freezer for the storage of samples with different temperature requirement

**Temperature Range:**  
Upper Chamber: 2°C to 8°C  
Lower Chamber: (-25)°C to 0°C  
**Capacity (Liters):**  
Upper Chamber : 200 Litres  
Lower Chamber : 200 Litres

# Ultra-Low Temperature Chambers

## Ultra Low Temperature Freezer



Designed for storing blood samples, reagents, vaccines, medications and others such products requiring very low temperatures.

**Temperature Range:** (-60)°C to (-80)°C  
**Capacity (Liters):** 100, 218, 398, 518, 678, 778, 1008

## Plasma Freezer



For storage of samples & raw material that need to be refrigerated at sub-zero temperatures.

**Temperature Range:** (-40)°C to 0°C  
**Capacity (Liters):** 200, 300, 400, 700, 1050, 1500

# Walk-In Chambers

## Walk-In Stability (Humidity) Chambers



Suitable for 25°C 60%Rh, 30°C 65%Rh, 40°C 75%Rh, 30°C 75%Rh, 25°C 40%Rh, 40°C NMT 25%Rh & many other such conditions.

## Walk-In Cooling Chambers



For storage of raw material at 5°C & for stability studies of refrigerated products.

Temperature Range: 2°C to 8°C

## Walk-In Incubators



Ideal for the growth & storage of bacterial cultures, gentle incubation & conditioning and media preparation.

Temperature Range: 10°C to 60°C

# Walk-in Chambers

## Walk-In Deep Freezer



Ideal for storage of biological samples in biotech, life science, clinical research as well as medical & pharmaceutical specimens, serums, vaccines, blood components.

Temperature Range : (-25)°C to 0°C

Also Available  
Flameproof (Spark-free)  
**FIRESafe**  
Walk-In Cold room



Specifically designed to store aerosol, volatile, flammable materials.

Available across all types of Walk-Ins

# Laboratory Equipments

## Blood Bank Refrigerator



The unit is ideal for safe storage of blood and blood components.

Temperature Range: 2°C to 6°C  
Capacity (Liters): 200, 300, 400, 1500

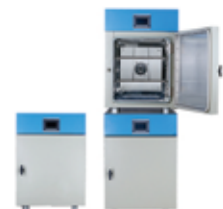
## Pharmaceutical Refrigerator



Ideal for storage of vaccine, medical and pharmaceutical supplies.

Temperature Range: 2°C to 8°C  
Capacity (Liters): 200, 300, 350, 400, 500, 630, 80, 1000

## CO<sub>2</sub> Incubator



Ideal for controlled in-vitro environment for optimum tissue cell culture growth in sterile environment.

Temperature Range: 7°C above ambient to 50°C  
Capacity (Liters): 100, 170

# Incubators

## B.O.D. Incubators



Incubators to provide conditions for optimum growth of microbiology cultures. Specifically designed for long-term and stable continuous operation that is ideal for gentle incubation and conditioning for media preparation.

Temperature Range: 10°C to 60°C  
Capacity (Liters): 200, 430, 735, 1000, 1500, 2000

## Bacteriological Incubators



Ideal for incubation of micro-organism, eggs etc. to cater to mass-scale production of vaccines & other drug product

Temperature Range: (Ambient +5°C) to 60°C  
Capacity (Liters): 200, 430, 735, 1000, 1500, 2000

## Dual Incubators



It offers two chambers controlled by a single controller. The temperature conditions of both the chambers is independent from each other.

Temperature Range: 10°C to 60°C  
Capacity (Liters): (200+200), (400+400)

# Ovens

## Laboratory Ovens



These units are primarily used in applications which require rapid drying and sterilization.

Temperature Range: 50°C to 280°C  
Capacity (Liters): 30, 50, 90, 121, 216, 324

## Vacuum Ovens



These units allow gentle drying of heat sensitive materials & highly hygroscopic materials.

Temperature Range: 40°C to 200°C  
Capacity (Liters): 30

## Pass-Through Ovens



Designed for easy passway of lab apparatus & glassware between wash area & analysis room along with drying application.

Temperature Range: 50°C to 110°C  
Capacity (Liters): 430, 600, 800, 1000

# Features | Functions | Flexibility



Ethernet Communication



2nd Generation I-Series Controllers



Touch Screen Display



Touch Screen Door Access System



Humidity System



Standby Humidity & Cooling Systems



Complete Range of Alarms



Alarm Transmissions



Mobile Alert System



Safety



Multiple Sensors



Documentation & Training



Audit Support

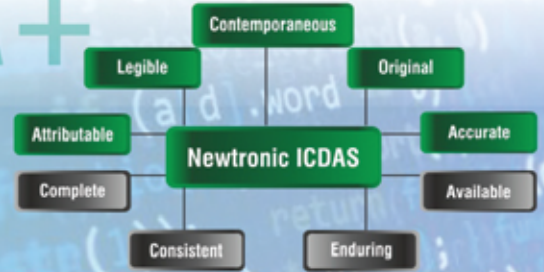
## Precise Control with diverse Application

# Web-based Software (ICDAS)

## Access Anywhere Anytime

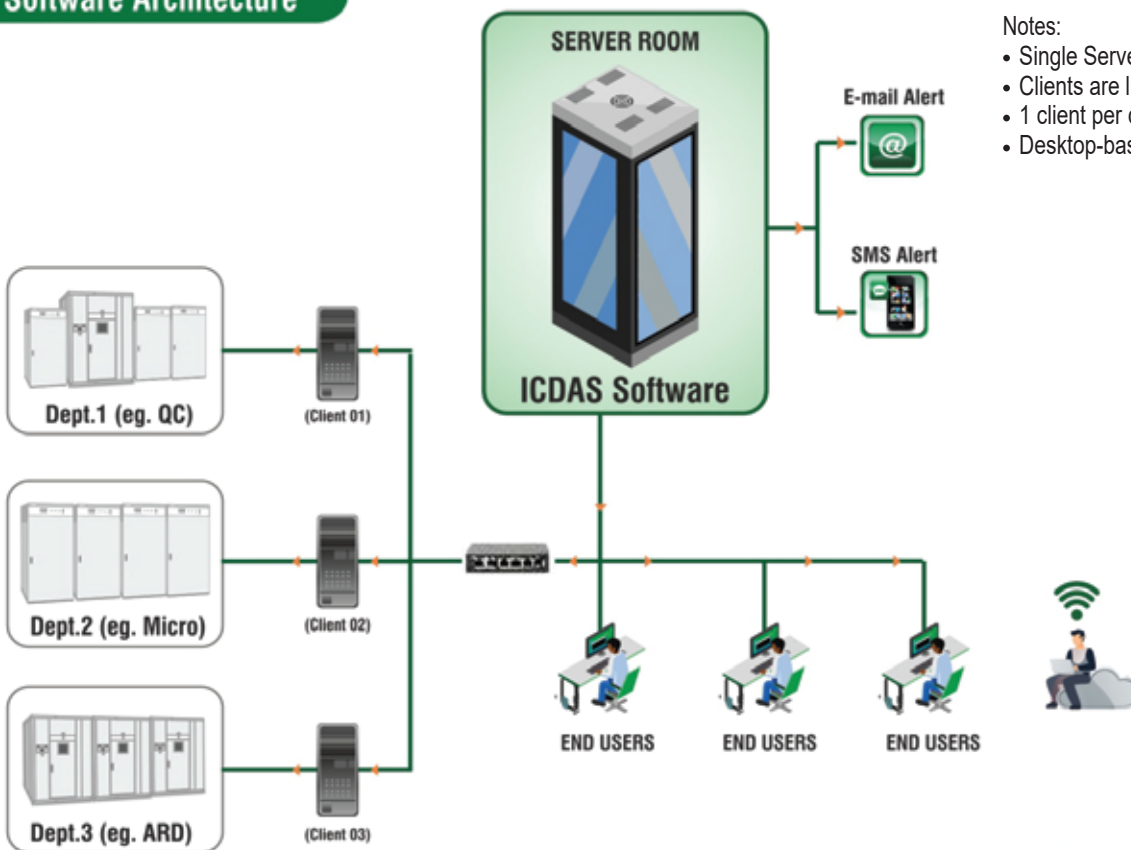
NEWTRONIC's ICDAS software changes the landscape of Stability Operations & Chamber Management. While it very effectively complies to the requirements of 21 CFR Part 11, it also meets the increasing demands for improved operational efficiencies. This server-based software gives the flexibility to operate the chambers remotely through any web browser and gives additional capabilities of going Paperless and system-based alert notifications of pending tasks.

# ALCOA+



**Instantly connect and control your chambers from anywhere without installing software.**

## Software Architecture



Notes:

- Single Server based Installation
- Clients are license-based
- 1 client per dept. for upto 15 equipments
- Desktop-based installation also available

## Features

### Installation

- Server-based; Web-based Software accessible through Browser
- Installation that is one-time for Lifetime! Eliminate the need for multiple software installation & qualifications
- LDAP based authentication system.

### Data Management

- **GO PAPERLESS!!** e-Review, e-Approval, e-Signature, e-Comments of: **Data Logs | Alarms | Unified Audit Trails**
- Multi-level data authorization (through e-review & e-approval)
- Comprehensive Audit Trails of Alarms, User activity, Equipment settings, email & SMS generation
- **Stay Audit-Ready every single day through Supervisory Email facility!**
- Run-time calculation of MKT
- Real-time display of all connected equipment in single screen
- History analysis option is available for data validation and also it generates the audit trail for this activity.

### Configuration

- Configure multiple user-groups (Operator, Supervisor, Admin, etc)
- Department-wise segregation of users, equipment & data
- Plant-wide harmonization of reporting format (header, footer, etc.) Configure the type & no. of alarms to be sent via email/SMS & configure delay time too
- Document storage facility is available within the application server.

### Safe & Secure

- Automatic & Manual daily data backup facility. Automatic data backup can be done both, remotely & local
- Additional features of Data Archival & Data Restore
- Alarm Trending Facility

### Other Features

- Viewing VO Status & Running Hours of all major components.
- Component running hours to determine the shelf-life of major components
- Centralized user-defined Alarms, Alerts & Notifications through SMS & emails
- System Diagnosis for troubleshooting via Team Viewer
- Software that keeps you USFDA 21 CFR Part 11 Ready

# Internationally proven innovative product range



NLEPL/CC/0823/3.1



## Newtronic Service centers:

Domestic:		International:		
Ahmedabad	Hyderabad / Vizag	Australia	Nepal	Uganda
Baddi	Indore	Bangladesh	New Zealand	Ethiopia
Bangalore	Kolkata / Sikkim	China	Phillippines	Russia
Chennai	Mumbai	Egypt	Singapore	UK
Delhi	Pune	Indonesia	Thailand	USA
Goa		Vietnam	Turkey	
		Malaysia	Algeria	
		Mexico	Nigeria	

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\* Newtronic reserve the right to change product specifications without prior notice



**NEWTRONIC LIFECARE EQUIPMENT PVT. LTD.**  
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