BLUEVIRON

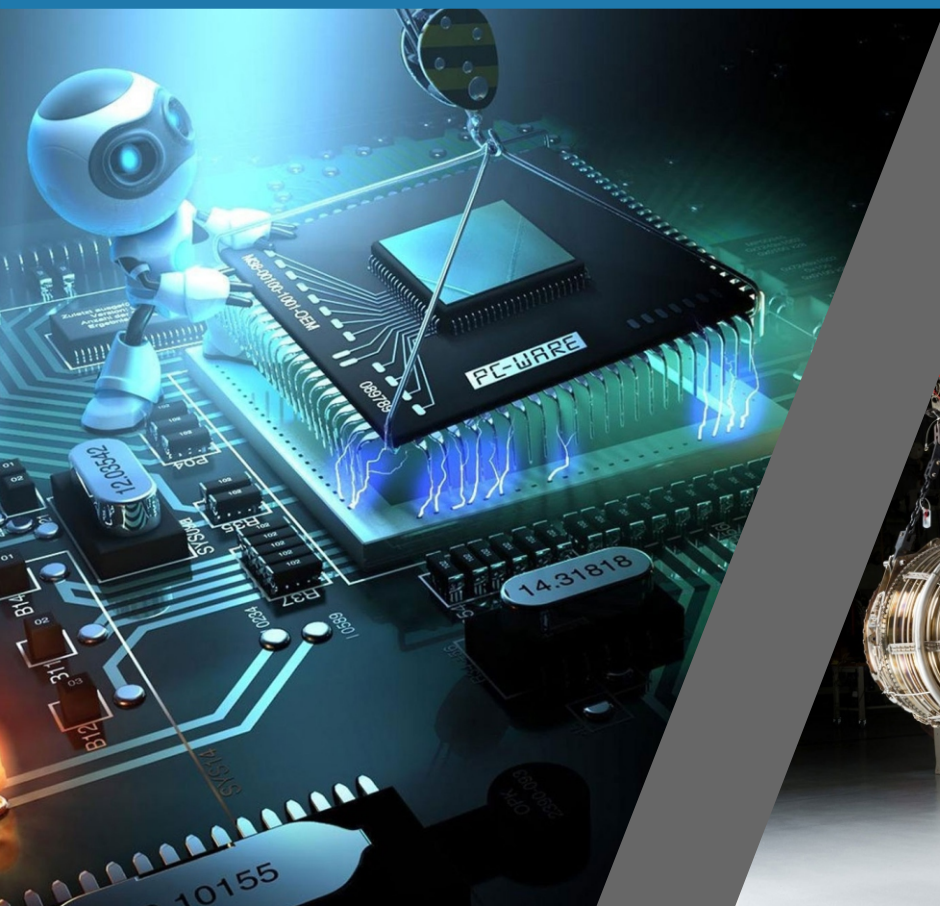## "ONE SPOT SOLUTION"

OUR PRODUCTS ARE RIGHT CHOICE FOR YOUR TEST APPLICATIONS

www.blueviron.com

ABOUT US

Blueviron Systems Pvt Ltd provides advanced, Innovative technology, engineering products to meet your test application. Blueviron has become a one-stop solution for all Environmental (Climatic) test applications.

Blueviron offers a widest selection of Climatic and Thermal cycling test chambers are create the real world simulation for test the small components to largest equipments with best performance with reliability and durability.

Blueviron Design & Manufacturing the all types of test chambers like Altitude (Air Pressure) Chambers, Automotive Drive-In Chamber, Battery Test Chambers, Corrosion Chamber, Temperature & Humidity Chambers, Thermal Shock Chambers, Solar Test Chambers, Combined (Integration) Vibration Chambers, Dust Chambers, Rain Chambers, Industrial Air Ovens, Burn In Chambers And Custom Built Test Equipments.

Blueviron applies our experts engineering skills to build the every equipment. Blueviron provides the most competitive & affordable price to meet our customer's expectations. We make sure that our products and services exceed our customer's expectations.

International Test Standards - IEC, MIL, ASTM, DIN, RTCA, IS, JSS, JES, ISTA, SAE, ISO, JASO, NFX, JESD, JASO, JISC and more..

VISION

Customer satisfaction & to be Manufactured & supply of our products in every industry where we serve.

MISSION

Our mission is to be the trusted technology products. Support services and including full turnkey production facilities. Our goal is to achieve customer satisfaction through excellence in product performance.

QUALITY

Quality production in the all areas of research, development production & ensures high standard services and products.

FASTER, BETTER, AND MORE COST-EFFECTIVE

We manufacture the unique test chambers to simulates the Altitude (Air Pressure), Automotive Drive-In, Battery test, Temperature & Humidity, Thermal Shock, Solar Panels (Photovoltaic), Combined (Integration) Vibration, Corrosion, Dust & Rain Chambers, Industrial Air Ovens and Custom Built Test Equipments...

Blueviron standard or customized models have Intelligent Controller kit and Specially configured with advanced features to provide accurate testing.

Blueviron Manufacture widest selection of test chambers from the Bench-top (compact) to Walk in chambers are available to meet your test applications across all industries like Aerospace / Automotive / Defense / Electronics / Fiber optics / Pharmaceutical / Renewable Energy / Telecommunications / Semiconductor / Test Labs for material testing and thermal conditioning test applications.

International Test Standards – IEC, MIL, ASTM, DIN, RTCA, IS, JSS, JES, ISTA, SAE, ISO, JASO, NFX, JESD, JASO, JIS and more...
Temperature: 200°C to -70°C / Humidity: 10% to 98% RH
Altitude: Site level to 100,000 feet (Option 2, 00,000 Feet)
Temperature Change Rate °C per Min: Standard models 1°C to 20°C and Customized up to 30°C

After warranty Support – We can support existing installations, emergency visits or repairs, maintenance schedules or refurbishment service for our customers.

Blueviron Vacuum Chambers simulate the low pressure conditions. Simultaneous of Air pressure tests for products under the various levels of real-life conditions.

Blueviron design products can precisely simulate the real-life conditions and the chambers come with user friendly Controller kit with touch panel display to meet's customers testing needs. We offer a wide range selection of vacuum chambers and Heavy duty Vacuum pump, Refrigeration system provides reliable performance.

FEATURES

- Rectangular Vacuum Tank Volumes: 220L / 660L / 990L / 1500L
- Horizontal Cylindrical Vacuum Tank Volumes: 130L / 500L / 1100L / 2900L
- (*Custom sizes of chambers are available on user's demand)
- Vacuum Range: 10 mbar (100,000 feet) or *Custom Range: Ambient to 1 (mbar)
- Controller Types: Touch Screen Panel (HMI / PLC / Modular Controller)
               Microprocessor Based PID Programmable Controller
- Supply Voltage 415V ± 10% / 50Hz / 3Ph+N+G

OPTIONS

- Inspection window
- Shelves (Tray)
- Port hole (50 or 120mm)
- RS232/485 networking

RVC — RECTANGULAR VACUUM CHAMBER

MODELS - RVC	RVC 220-10M	RVC 660-10M	RVC 990-10M	RVC 1500-10M
Capacity – App Litters	220L	660L	990L	1500L
Workspace Dim App (WxDxH)mm	650x460x750	825x825x975	1000x900x1000	1100x1250x1100
Vacuum Range (Mbar)	Up to 10Mbar			
Vacuum Pump	Single / Two Stage Oil Rotary Pump			

HCVC – HORIZONTAL CYLINDRICAL VACUUM CHAMBER

MODELS	HCVC130-10M	HCVC500-10M	HCVC1100-10M	HCVC2900-10M
Capacity – App Litters	130L	660L	1100L	2900L
Workspace Dim App (LxD)mm	800x450	1000x800	1400x1000	1900x1400
Vacuum Range (Mbar)	Up to 10Mbar			
Vacuum Pump	Single / Two Stage Oil Rotary Pump			

SL NO	TOUCH SCREEN CONTROLLER FEATURES
1	Controller – Dual Loop Modular Controller – Make :Redlion
2	HMI – 7" Color Touch Screen Panel – Make :Redlion
3	Smart PLC – Siemens
4	Temperature & Humidity Digital Display
5	Blueviron Touch Screen Controller kit advanced configuration, Easy operation & Programming
6	Channels – Temperature, Humidity, Vacuum (Pressure)
7	Temperature & Safety PT100 sensors
8	Electronic Humidity Sensor for accuracy
9	High & low temperature safety controller or Thermostat
10	Programs – Standard 50programs (Customized also available)
11	Interval or Segments – 50 Segments
12	Program view and edit profiles with program cycles
13	Operation– Program / Manual
14	Multi-Level Password Based System for chamber safety operation
15	Graph screen – Zoom In& Out
16	Graph export – Data Logging And Transfer Pendrive or Xl Sheet
17	Restart/power failure: software design such that the chamber restart automatically & resume the program after power failure. (Auto start after power interruption.)
18	Data logging & Data file access via memory stick
19	USB host port, communication – RS23 & RS485
20	External Devices Switch ON or Power ON really – 2nos (5AMS Really)
21	Electrical & Mechanical trips log page
22	PLC Digital Inputs & Outputs Screen
23	Refrigeration Cycle screen Page
24	Activity log screen provides equipment history*
25	Door Limit Switch & Door Open & Close Log & Interior Light
26	EMI protection for control circuit
27	Electrical safety – heat limits, fuses, Water low level switch or circuit breakers
28	Heating to be controlled by solid state relay & over heat protector
29	Heater wiring to be flame proof
30	Alarm for faulty condition
31	Chiller Water Flow (Pressure)switch for Chamber Safety
32	All wires color coded with numbers for easy identification
33	E-stop emergency safety stop button
34	Three /single phase preventer protections
35	Easy power plug in system
36	Parts make: REDLION, SCHINDLER, SIEMENS, L&T, ABB, EAPL, PARAMOUNT, ERI, OMRON, HAGER or equivalent brands etc.

OUR SERVICES

SERVICE SUPPORT

We have experienced & trained engineering team. Our experience provides the present and future technical, logical and innovations. Our experience allows us to make the Repairs, Service and turnkey (refurbishment) upgrade contracts of the existing systems. (Any Make or Any Model)

Vision – Quality service is our business to meet our customer satisfaction.

Quality Service – Our technical service team supports quality & reliable Service for our valuable customers.

SI NO	"QUICK SERVICE SUPPORT"
1	Emergency call attended within 8 Hours.
2	Technical advice & support (24/7 Helpline)
3	Fixed prices for 1 to 3 year
4	Extended warranties
5	Installation and Commissioning
6	Repair & service contract (RSC)
7	Annual Operation Contract (AOC)
8	Annual Maintenance Contract (AMC)
9	Refrigeration Refurbishment Service (RRS)
10	Electrical Refurbishment Service (ERS)
11	Upgrades – PLC, HMI, Modular Controller
12	Spare parts procurement & Fast delivery
13	Humidity system Service
14	Calibration Service

CONTACT US

Contact Info

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