



**EQUITRON**®

**Roteva**®

**EQUIBATH**®

**EQUICLAVE**®

**EVATOR**®

*Stone-fin*™

**EQUIVAC**®



**MEDICA INSTRUMENT MFG. CO.**

ISO 13485 certified

**LAPIZ**®

# COMPANY PROFILE:

**M**EDICA INSTRUMENT MFG. CO. was established for the manufacture of medical instruments. The firm currently is a registered SSI unit since 1967 with the Directorate of Industries and is also an ISO 13485 certified organisation. Medica's focus has always been to produce instruments which are a step ahead in innovation and user-friendliness. There is a continual investment of resources towards R&D. We specialize in sterilization, pathology and organic chemistry lab instruments, namely Vertical Autoclaves (steam pressure sterilizers), Rotary Vacuum Evaporators, Baths - Oil & Water / Stirred / Round / Shaking, Water Stills, Colony Counters, Anaerobic Jars etc. Medica markets these products under its own brands, namely EQUITRON, LAPIZ, Equitron-ROTEVA, Stone-fin, EVATOR, EQUIVAC, EQUIBATH. EQUITRON Fully Automatic Vertical Autoclaves are market leaders in this category of Autoclaves with over 75% market share in the domestic field. EQUITRON Autoclaves, coupled with its on line printing / charting, comply with GMP / ISO / FDA requirements. Equitron-ROTEVA Rotary Vacuum Evaporators has established itself as a fully featured and highly cost effective Evaporator with a country wide user base. EQUITRON Stirred Water Bath & EQUIBATH Refrigerated Bath have received CE certification in July 2008. We may add here that Medica products are in use not only all over India but also exported to Dubai, Kenya, Nepal, Nigeria, South Africa, Srilanka, Syria, Togo, U.A.E, Uganda, Yemen, Zambia & Zimbabwe amongst others. The Indian client list includes all major pharma like Charak, Cipla, Dabur, Dr. Reddy's, Glaxo SmithKline, Lupin Ltd, Modi Mundipharma, Nestle, Pepsi, Ranbaxy, Themis, Win Medicare, Wockhardt and hospitals like Bombay, Breach Candy, Jaslok, Lilavati etc.





# OUR RANGE OF PRODUCTS

## **EQUITRON**

### **Autoclave - SLE Series FA / PAD / STWL**



Unique single lever locking  
Choice of Fully Automatic /  
Preset Automatic Digital /  
Standard models  
Capacity 35 to 180 lit

## **EQUITRON**

### **Autoclave - SLV**



Unique Single lever locking  
PLC based Controller  
Pre & post vacuum facility  
Passes B-D test  
Capacity 113 to 180 lit

## **EQUITRON**

### **Autoclave - Vertical FA / PAD / STWL**



Choice of Fully Automatic / Preset  
Automatic Digital / Standard  
models  
Market leaders in FA segment  
since over a decade  
Wide documenting options  
available  
Capacity 35 to 180 lit

**NEW**

## **EQUITRON**

### **Autoclave - Praano Series**



Unique single lever series  
PLC based controller  
Inbuilt documenting option  
Available with Drain (Exhaust)  
Cooling, Positive Pulsing, Air  
Ballast with filter (post  
sterilization) options.

## **EQUICLAVE**

### **MEDIA PREPARATOR cum AUTOCLAVE**



Prepares 3~27 lit of liquid Media  
& Agar  
Continuous stirring throughout  
the cycle assures proper mixing  
of media & uniformity  
Media sterilization temp range:  
up to 122°C  
Capacity 9 & 27 lit

## **EQUITRON**

### **Autoclave - Portable Automatic / Standard**



Die pressed Seamless SS body  
Automatic series with preset  
temperature & time  
Automatic purging  
Capacity 16 lit

## **EQUITRON**

### **Autoclave - Table Top**



Fully Automatic  
Upto 134°C  
Drying with door open option  
Safety Valve for over pressure  
Capacity 16 lit

## **EQUITRON**

### **Autoclave - Table Top Class B**



Fully Automatic with flash cycle  
5 preset cycles for wrapped,  
unwrapped & cotton  
B-D test / Vacuum leak test  
Pre & post vacuum facility  
Capacity 22 lit



**EQUITRON®**

**BOD Incubator**



**Classic & Intello series** BOD Incubator

PID temperature controller with soak timer

Tempered safety glass door

Independent over temperature cutoff

Online documenting to PC through Ethernet (for Intello series only)

**EQUITRON®**

**GENERAL INCUBATOR with internal circulation**



Safety tempered inner glass door

Internal circulating design ensures a high level of control accuracy and uniformity

Over temperature safety protection & MCB

**EQUITRON®**

**Forced Convection Oven**



Digital PID temperature controller with timer, alarms and auto tuning

Incoloy sheathed heater

Non contact type door switch

Over temperature safety protection & MCB

**EQUITRON®**

**Clean Bench- Bio Hazard Type**



Class II type A2 clean bench provides antiseptic work conditions

High performance special HEPA filters produce a class 100 clean environment

LCD microprocessor based controller with filter change alarm

Adjustable blower speed in 9 steps

In-built timer for UV light

**EQUITRON®**

**Steam Pot**



Ideal for Media digestion

User settable Digital temperature controller cum timer

Unique constant water level control device

Hinged lid with assisted lift

Low water cut off

**EQUITRON®**

**Stirred Water Bath**

CE



Excellent Control Accuracy of  $\pm 0.1^\circ\text{C}$  at  $37^\circ\text{C}$

5 lit to 28 lit capacity

Wide choice of accessories including Platforms, Weight Rings, Concentric Rings, Gabled Lid etc.

**EQUITRON®**

**Shaking Bath**



Digital RPM upto 175 oscillations

Temperature range upto  $80^\circ\text{C}$

Control accuracy  $\pm 0.2^\circ\text{C}$  at  $37^\circ\text{C}$

Unique flask tray enables interchangeably of different capacity flasks

**EQUITRON®**

**Dry Bath (Incubator)**



Two temperature control segments

Precise microprocessor control

32 characters alpha-numeric LCD display for temperature & time

Timer range : upto 99 hr: 59 min



**EQUIBATH®**

CE

**Refrigerated Circulating-  
EQUIBATH - 6L**



Temperature range -10 to +120°C  
PID temperature controller with timer, alarm and over temperature protection  
Cooling capacity: 250W at 10°C  
Impeller type external circulation pump with 9 lit/min capacity

**EQUIBATH®**

**Refrigerated Circulating-  
EQUIBATH - 20L**



Temperature range -10 to 120°C  
PID temperature controller with timer, alarm & over temperature protection  
Cooling capacity: 350W at 20°C  
Impeller type external circulation pump with 8 lit/min capacity

**EQUITRON®**

**Ultrasonic Bath**



For critical cleaning, mixing, degassing applications  
High frequency - 53kHz  
Inbuilt heater - range upto 60°C  
Built in Timer

**EQUITRON®**

**Digital Ultrasonic Cleaner  
2.5L**



Frequency 42kHz / 170W  
Heating power 80W  
Radiator Fan: To enable continuous operation  
5 steps digital timer

**EQUITRON®**

**Concentric Rings Bath -  
Thermostatic / Digital**



Double walled full SS construction  
With water level indicator  
Drop on lid enables easy cleaning of bath  
Temperature range: Ambient +5°C to 100°C

**EQUITRON®**

**Acrylic Thermostatic - 5L  
Water Bath**



Acrylic body for full Visibility of samples  
Special design body for ±0.5°C control accuracy  
Temperature range upto 65°C  
Supplied with Thermometer & clip

**EQUITRON®**

**Serological Water Bath  
Digital**



Double walled full SS construction with glasswool insulation  
Control accuracy of ±1°C at 37°C  
Temperature range: Ambient + 5 to 65°C  
Energy efficient tubular heater

**EQUITRON®**

**Anaerobic Culture Jar  
POLYCARBONATE**



Strong Moulded transparent Jar  
Aluminium cast lid with heat cured epoxy coating  
Supplied with Cold Catalyst & SS Petri Dish Carrier



**EQUITRON<sup>®</sup> Anaerobic Culture Jar - SS**

Seamless Stainless Steel Body & Lid



Supplied with Cold Catalyst & SS Petri Dish Carrier

Semi Lucas type indication facility

Choice of two sizes Ø12x20 cm & Ø22x22 cm

**EQUITRON<sup>®</sup> Automatic Water Still**



Automatic operation requiring no manual intervention

Distillation rate: 8 lit/hr

Built in 23 lit storage tank for distillate

Overheat protection for heater

Fitted with high efficiency pre-filter for raw water

**EQUITRON<sup>®</sup> Water Still - with Thermostatic cut-off**



Full SS construction

Wall mountable or table top

Supplied with all accessories like flow rate meter, tubings, haffman clip, tap adapter etc.

**Stone-fin<sup>™</sup> Water Still**



Eco friendly design

Ideal for small labs or stand by - 4 lit / 4 hrs

Auto shut off on water over

Connects to a 5 Amp wall socket

**LAPIZ<sup>®</sup> Colony Counter - GMP Model**



Unique sensor pad on base ensure usage of any hard tipped marker pen for marking & counting

Digital count upto 9999

**EQUITRON<sup>®</sup> Hot Plate & Magnetic Stirrer**



Digital & Analog model available  
DC motor supports stable speed at the start and low heat emission

Plate temperature can be effectively controlled upto 300°C

Speed control from 100 to 1200rpm

**EQUITRON<sup>®</sup> Round Oil Bath - Clear Bottom**



Clear Bottom - External Heater

PID Control upto 300°C with timer

Overshoot alarm for safety

Capacity 1 to 10 lit

**EQUITRON<sup>®</sup> Round Oil Bath - Immersion Series**



Digital control

Cost effective solution

Stainless still Seamless bath chamber

Capacity 1 to 10 lit



**EQUITRON® Roteva Rotary Vacuum Evaporator**

- Small foot-print
- Temp range upto 180°C
- Sparkless motor
- Option of six glass sets



**EVATOR® Rotary Vacuum Evaporator**

- Small foot print
- Temp range upto 100°C
- Maintenance free manual Lift
- Assured performance



**EQUITRON® Vacuum Controller**

- Enhance Solvent recovery to > 90%
- Compatible with any lab vacuum source
- Digital display 1000 to 0 mbar
- Control accuracy ± 3 mbar



**EQUIVAC® Oil-free PTFE Diaphragm Vacuum Pump - 020**

- PTFE coated diaphragm
- Free air displacement: 22 lit/min
- Ultimate Vacuum: 20 mbar
- In / out nozzles of Ø9.5 mm



**EQUITRON® Chilled Water Circulator 4L**

- CFC free hermetically sealed rotary compressor
- Temperature range: upto 0°C
- 15 lit/min pump at zero head
- 750 watts @15°C
- Compact size & with castors



**EQUITRON® Chilled Water Circulator 25L**

- CFC free hermetically sealed rotary compressor
- Cooling capacity 2500 W at 15°C
- Reservoir capacity of approximately 25 lit



**EQUITRON® Dressing Drums**

- Fully stainless steel
- Die punched burr free perforations
- Robust sliding & latching mechanism
- Polished crevice free interiors

Coming soon...



**EQUITRON®**

**UV Sterilisation Cabinet  
6 / 12 trays**



Ideal for safe keeping of sterilised items

Powerful ultra violet tubelight with wavelength of 253.7nm

Stainless steel trays of app dimension 260 x 190 x 12mm ht

Option of wall mounting

**EQUITRON®**

**Slide Cabinet**



Unique modular design occupies just 1¼ square feet for 21600 bulk slides or 7560 individual slides when 3 cabinets are stacked one above the other

Mix & match between individual & bulk possible

**EQUITRON®**

**Slide Staining Assemblies**



Full SS construction

Trough of 25 slides die pressed with loose lid

Rack slots die slotted for easy individual holding

Two sizes 10 & 25 slides

**EQUITRON®**

**Test Tube Rack**



Wide choice from Ø13 to Ø40mm

8 holes to 96 holes

Die punched burr free holes

Top & bottom perforated, bottom plain

**EQUITRON®**

**Petri Plate Exposure Stand  
Parallel / Inclined**



Stackable with perforated top

Suitable for 1 petri plate with open lid

Size 200 x 110 x 300(ht) mm

**EQUITRON®**

**Pipette & Petri Dish  
Sterilizing Box**



Full stainless steel construction

Pipette boxes supplied with autoclave able rubber discs for protection of pipette tips

Petri Dish Box die pressed seamless

**EQUITRON®**

**ESR Blood Sedimentation  
Apparatus**



Stainless steel base & Top

Rest moulded or coated with non corrosive material

Unique spring mechanism for Westergren permits single hand operation

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