

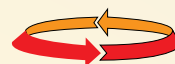


# LABORATORY INSTRUMENTS

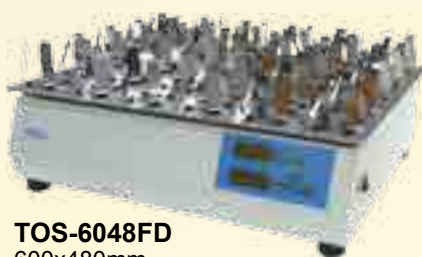
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## BenchTop Orbital Shakers



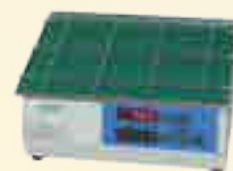
**TOS-4030FD**  
400x300mm



**TOS-6048FD**  
600x480mm



**TS-400P-rods** 300x400mm



**TOS-4030PD**  
400x300mm



**TOS-4838FD**  
480x380mm



**Spring Tray**



**Holders**



**DOR-2828D**  
280x280mm

## Benchtop Shaker Incubators, up to 70°C Speed range up to 250rpm/400rpm



**TOU-50N**  
Plate 300x400mm



**TOU-120**  
Plate 450x450mm



**LOM-65**  
Plate 300x400mm



**Refrigerated 0-60°C**  
**LOM-150**  
1X Platform 380x480mm  
**LOM-150D**  
Dual Shaking Platform 380x480mm

## Large Shaker Incubators, 0°C to 60°C



**LOM-175-DUAL**  
Platform 480x380mm



**LOM-560D**  
Dual Shaking Platform 480x600mm



**LOM-834D**  
Dual Shaking Platform 960x600mm



**LOM-300**  
Double door, Platform 500x900mm

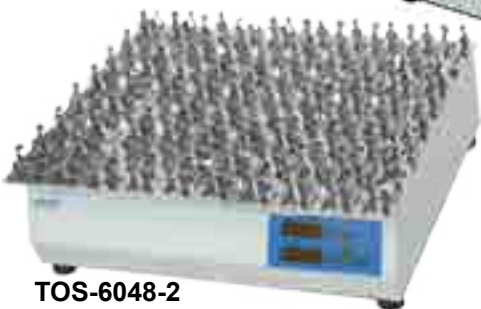


**LOM-200-5**  
Platform 480x600mm

**LOM-400-5**  
Platform 600x960mm

## Large Orbital Shakers

- Heavy duty
- Accept heavy loads
- Suitable for heat/cool room's
- Timer 99 hours, 59 minutes
- 10 speed programs.



**TOS-6048-2**  
600x480mm



**TOS-9660-2**  
600x960mm



**TOS-9660D-5**  
Dual Platform 600x960mm

## Natural Convection Incubators/Ovens

- Temp. Range: up to 70°C (Ovens: up to 200°C)
- Simple keypad input allows easy temperature setting.
- LED digital display enable users to monitor the chamber temperature at any given time.



**DNI-10**  
10Liter



**DNI-30**  
30Liter



**DNI-80**  
80Liter



**DNI-300**  
300Liter

## Cooling 0°C to 70°C Incubators



**BOD-590**  
590Liter



**BOD-550**  
550Liter



**BOD-400**  
400Liter



**BOD-175**  
175Liter



**BOD-80** 80L  
**BOD-150** 150L

## CO2 Incubators



**3503-2**  
50Liter



**2406-2**  
170Liter

- Infrared CO2 Sensor
- Heated Outer Door
- Independent Over temperature Protection.

## Growth Incubator 0-60°C



**PGI-550V**  
Day/Night Vertical  
light control



**PGI-550H**  
Day/Night light control  
**PGI-550RH**  
Day/Night light control+Humidity



## Digital Water Baths, up to 80°C



**WBH-060N**  
6 Liter  
Up to 100°C  
External Circulation



<b>WBH-100</b> Circulation 10 Liter Up to 100°C	<b>WBH-100I</b> Circulation 10 Liter Up to 100°C External Circulation	<b>WBH-200</b> Circulation 20 Liter Up to 100°C	<b>WBH-200I</b> Circulation 20 Liter Up to 100°C External Circulation	<b>WBO-100</b> Unstirred 10 Liter Up to 80°C	<b>WBO-200</b> Unstirred 20 Liter Up to 80°C
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## Refrigerated Circulators -30°C to 100°C



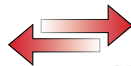
**WBL-200** / **WBL-100**  
19.4Liter / 9Liter

## Shaking Water Baths



**WBT-401**  
37.8 Liter

- Digital PID Control  $\pm 0.1^\circ\text{C}$
- Temp. range:  $0^\circ\text{C}$  to  $100^\circ\text{C}$
- Shaking speed: 20 to 200rpm
- Shaking plate 390x290mm.



**WBT-200** / **WBT-400**  
22.5 Liter / 37.8 Liter

- Temp. range: up to  $100^\circ\text{C}$
- Digital PID Controller  $\pm 0.1^\circ\text{C}$
- Shaking speed: 20 to 200rpm
- Shaking plate 390x290/290x240mm.



**WBT-450**

- Digital PID Control  $\pm 0.1^\circ\text{C}$
- Temp. range: up to  $100^\circ\text{C}$
- Shaking speed: 10 to 250rpm
- Shaking plate: 450x290mm.

## Transparent Water Baths: 3,5,7,11,14,30 liter



**WBS-14**  
14 liter

**EL-30**  
Lids



**WBS-5**  
5 liter



**WBS-7D**  
Digital 7 liter



**TEPS-1**  
Analog Control



**TEPS-4**  
Digital Control

### Immersion Circulators

## Analog Ultrasonic Cleaners

AC-120H  
AC-150H  
AC-200H  
AC-250H  
AC-300H  
AC-400H



3Liter  
6Liter  
9Liter  
13Liter  
20Liter  
27Liter

3,5,10,13,20,30 Liter • Operating frequency: 40KHz

## 36 liter Ultrasonic Bath



**SONICA 36L**

- Internal: 510x300mm, D2500mm
- External: 700x400mm, H500mm
- With heater and timer
- With basket and lid
- Ultrasonic power 600 watt/28 khz.

## Digital Ultrasonic Cleaners

DC-80H  
DC-120H  
DC-150H  
DC-200H  
DC-250H  
DC-300H  
DC-400H



2Liter  
3Liter  
6liter  
9Liter  
13Liter  
20Liter  
27Liter

2,3,5,10,13,20,30 Liter • Operating frequency: 40KHz

## Digital Ultrasonic Baths+Degas+Sweep



DCS-120H  
DCS-150H  
DCS-200H  
DCS-400H

3 Liter  
6 Liter  
9 Liter  
27 Liter

## UltraSonic Processor Frequency 20-25Khz



**SONIC-150W** 150Watt, 10-100ml  
**SONIC-250W** 250Watt, 10-200ml  
**SONIC-650W** 650Watt, 0.5-500ml  
**SONIC-950W** 950Watt, 0.5-600ml

## Cavitation Intensity Meter



**CAV-Meter-2**

- Probe length 400mm
- Detect loss of ultrasonic energy with periodic readings
- Calculate best work loads.

## Large Ultrasonic Baths



**SONICA-Series**

**SONICA 65L** 65 Liter  
**SONICA 96L** 96 Liter  
**SONICA 117L** 117 Liter  
**SONICA 157L** 157 Liter  
**SONICA 206L** 206 Liter

## Laminar Flow Cabinet horizontal flow



**BBS13HGS**

- External size (WxDxHmm): 1300x825x2000.
- Internal Size (WxDxHmm): 1200x500x570.

## Chemical Fume Hoods



**FH-10 / FH-12 / FH-15**  
90cm    110cm    132cm

## Class II Personal Biological Safety Cabinet



**BSC-8**

- External Size: 70X65X123cm
- Max opening 40cm
- 2 HEPA filters, 99.999%
- Efficient (0.3 micron).

## Laminar Flow Cabinet Horizontal Flow



**BBS-DDS**

- LED display
- Standart configuration includes: UV lamp and Fluorescent lamp, Base stand.

## Laminar Flow Cabinet Vertical Flow



**BBS-DDC**

- LED display.
- Standart configuration includes: UV lamp and Fluorescent lamp, Base stand.

## Class 1 Biosafety Cabinets



**BSC-C1-1/2/3/5**

- Soft touch control panel, LCD display
- UV lamp for sterilization.
- Stable air flow system.
- Provide firm protection to personnel & environment.

## Chemical Fume Hood



**FH-15I**

- Width table: 132cm
- Applicable in electronics, mechanics, medical, and university labs.

## S.S Glove Box



**GBOX-2**

- 304 Type SS Construction
- Modular Design
- Electrical Feed-Through with Power Strip.

## Acrylic PVC Glove Box



**Special Design upon Request**

**GBOX-1**

- Air Locker Chamber Size 230L x 230W x 230H mm
- Containment Chamber Size 875L x 480W x 500H mm.

## Small Freezer down to -86°C, 50liter



**DW-86HW50**

## Freezer -25°C, chest



**DW-25YW: 110A / 226A / 358A / 508A**  
110L 226L 358L 508L

## Freezer Temperature down to -40°C, -25°C



**DW-40FL: 90 / 135 / 270**  
90L 135L 270L

## Refrigerators 10 to 2°C



**HYC-520L / HYC-950L / HYC-1400L**  
520L 950L 1400L

## Small Refrigerator 2 to 8°C 48 Liter



### HYC-48

- External size: D450xW450xH550mm
- Temperature Accuracy 0.1°C
- Control System Microprocessor

## Freezer Temperature down to -86°C



**DW-86HL: 218 / 318 / 538 / 828**  
218L 328L 538L 828L

## Refrigerators 2 to 10°C



**HYC-260L / HYC-300L**  
260Liter 300Liter

## Refrigerators (±1°C) 4°C



**RXC-240L / RXC-280L**  
240Liter 280Liter

## Blood Bank Refrigerators, 4°C



**XC-88L / XC-358L / XC-588L**  
88L 358L 588L



## Class N standard Autoclaves



STE-TAN-8L                    8 Liter  
 STE-TAN                      16 Liter  
 STE-TAN-23                 23 Liter

## Class B Autoclaves



STE-TIN                        16 Liter  
 STE-TIN-23                 23 Liter

## Automatic Horizontal Autoclaves



STE-HT-45                    45 Liter  
 STE-HT-60                    60 Liter  
 STE-HT-80                    80 Liter

## Horizontal Automatic Autoclave



STE-HT-45                    45 Liter  
 STE-HT-60                    60 Liter  
 STE-HT-80                    80 Liter

## Vertical Autoclaves



UTKBS-30V                    30 Liter  
 UTKBS-50V                    50 Liter  
 UTKBS-75V                    75 Liter  
 UTKBS-100V                 100 Liter

## Automatic Vertical Autoclaves



STE-V-60                      60 Liter  
 STE-V-80                      80 Liter

## Heat Sealers



SK-310                        Sealing with 300mm  
 SK-410                        Sealing with 400mm  
 SK-510                        Sealing with 500mm

## Water Distillator 1.5liter/hour



**DIST**

- Economy water distillator for Autoclaves.
- Outside dimensions: 290X290X390mm.

## Rotary Evaporator, 2 liter



**ROVA-N2L**

- Heating bath up to 100°C
- Rotating speed: 10-180rpm
- Evaporating speed: 20ml/min.
- Temp. display: Keypad input, Digital display.



## Deionized Pure Water Systems (Tap water inlet)



**WPL-RO-HP-15 / WPL-RO-HP-30**  
15 L/hour      30 L/hour

## Water Purification System, Mixed Bed Resin Cartridge



**WPG-100 / WPG-200**  
Dx2      Dx3

## Ultra Pure Water System (DI water inlet)



**WPL-RO-D**

## Water Distillator



**WSC/4S / WSC/8S**  
4 liter/hour      8 liter/hour

## Double Distillation 4liter /hour Automatic Stills



### AWC/4D

- Fitted with silica heater
- Protection for power fail, water supply fail, and water overflowing
- Dimensions: h400\*w590\*d240mm.

## Water Distillator 4 liter /hour Silica heater



### WSE/4S

- Parts made of glass
- Fitted with silica heater.

## Large capacity, Rotary Evaporators



**ROVA-5L \ ROVA-10L \ ROVA-20L \ ROVA-50L**  
5 Liter      10 Liter      20 Liter      50 Liter

## Laboratory Reactors



**REAC-2L/REAC-5L/REAC-10L/ REAC-20L**  
2liter      5liter      10liter      20liter

## Chillers



**CWA-Series**  
Water Coolers  
for machine tools  
5°C to 40°C  
Cooling rate: up to  
120,000 BTU/Hr



**WBL-100/101/200**  
Circulated Water Baths  
-30°C to 100°C



**WBLD-Series**  
Recyclable Coolers  
-30°C to 25°C



**WBL-685**  
Ultra Low  
Refrigerated Baths  
-85°C to 100°C

## Cryogenic Containers



**CRY-1-35**  
Biological Containers  
for Storage  
1-35 Liters



**YDH-8 YDH-3**  
8 Liters 3.5 Liters  
Dry Shipper Containers

**CRYC-47 CRYC-65**  
47 Liters 65 Liters  
Liquid Nitrogen  
Containers with Racks  
47-175 Liters



**ZC-10A**  
Level Alarm for Liquid  
Nitrogen Container



**ZYB Series**  
Liquid nitrogen pumps  
hand/foot operation

## Ice Making Machines



- Vertical Flake ice Makers
- Ice making Capacities: 30/40/60/70/85 /100/150/200/250/300/500 Kg/24h.



- Separate ice Making Machines
- Wide range of ice making capacities: 25/50/80/150/200/300/500/1000kg/24h

## Freeze Dryers



**FD 5/8 Series**



**FDL Series**

- Automatic programmable control system
- Down to -80°C Ice condenser temp.
- Build-in computer & LCD touch-screen
- Documentation system
- Alarming function.

## Mini Desiccator Cabinet 3.4 liter



**0050**

- Body-Polystyrene
- Outside: w224\*d200\*h170mm
- Inside: w195\*d154\*h113mm
- Sliding door beneath the cabinet.

## Vertical Desiccator Cabinet 38 liter



**0030**

- Body-PVC, Frame-ABS
- Outside: w300\*d395\*h510mm
- Inside: w255\*d330\*h450mm
- 4 adjustable shelves for max. 15 levels.

## Horizontal Desiccator Cabinet 38 liter



**0040**

- Body-PVC, Frame-ABS
- Outside: W500xD392xH345mm
- Inside: W452xD335xH232mm
- Four adjustable shelves.

## Temp./Humid. Chambers, - 10°C to 85°C, 20 - 98%RH



**CCG-150** / **CCG-250**  
150Liter / 250Liter

## Temp/Humidity Chambers 0 to 100°C, -20 to 100°C, -40 to 100°C, -70 to 100°C, 20 - 98%RH



**HC-40 / HC-50 / HC-60 / HC-80**  
80 liter 150 liter 416 liter 800 liter

## Benchtop Temp./ Humidity Chamber - 20°C to 100°C



**CCG-80**

- Capacity: 80 liter.
- Internal Dimen.(mm): W400XH400XD500
- Humidity range: 20-98%RH.

## Dry Cabinets 20-60 %RH



**DYCM-1428-6** / **DYCM-728-2**  
1428Liter, 6 Doors / 728Liter, 2 Doors

## Colour Comparison Cabinet



**CLRC-115**

- According to ASTM D1729
- Include lamps
- UV ultraviolet light 360mm wave length
- Inside:68x42x40cm.



## Vortex Mixer for Tubes & Flasks



**SI-0246**

- With 76mm platform & pop-off cup
- Accept optional attachments for many types of tubes.
- Variable speed control 500- 2700rpm.

## Wrist Action Shaker



**EL-680**

- 100-960 oscillations per minute
- Detachable arms equipped with 8 clamps
- Handle loads up to 9 lbs.
- Dimen.: W33.4xD11.6xH10".

## Multi-Tube Vortexer



**SI-600**

- Multi tube mixer with timer
- Speed range: 500-2500rpm
- Timer: 1min to 99hours 59min.
- Programmable pulsing mode
- LCD display of speed & time.

## Twist Shaker 300x300mm



**TOW-3030**

- Platform: 280x280mm+Timer
- Up to 1000gr
- Speed: 40 ~ 240rpm.

## Rocker Analog Shaker 300x300mm



**COR-3030**

- Speed control: 0 to 70rpm
- Platform: W300xD300 mm
- Continuous or timed operation
- Tilt angle:  $\pm 9^\circ$ .

## Digital 4 Microplate Mixer Orbital Shaker



**SI-400**

- Speed range: 300-1400rpm
- Stroke: 3mm
- Timer: up to 120 minutes
- Easy instalation of microplates.

## Digital Linear Shaker 330x330mm



**KCS-3333**

- Speed range: 100 to 500rpm
- Timer up to 1199minutes
- Heavy duty maximum load 10kg
- Suitable for bottles, Erlenmyers...

## Funnel Shaker



**VD-12-2S**

- Capacity: 1~2L of funnel bottles
- Funnel holders are movable.
- Shaking Frequency: 0-350 rpm.

## 42 Bags Platelet Shaker



**POS-42**

- Number of shelves: 7
- Fixed speed 70rpm
- Size:w450xd350xh360mm,25kg

## Test Tube Rocker 16 Places



**TRO-1000**

- Holds up to 30mm
- Tube diam. & 110mm long
- Platform size: W300xD115 mm
- Fixed speed 30rpm at 60Hz; 25rpm at 50Hz
- Size: W35xD14xH11cm, 1.5kg

## Digital Roller Tubes Mixer, Speed 10 to 70rpm



**TRO-1206D**

- 6 rollers 340mm length
- Dimen.: w455xd180xh95mm, 4kg
- Rocking and Rolling motion
- Variable speed 10-70rpm

## Roller Tubes Mixer Fixed Speed



**TRO-1200**

- Rolling and Tilting action
- Fixed speed 40rpm
- 5 rollers 320mm length 30mm diam.
- Dimen.: W455xD180xH95mm, 4kg

## Conical Tube Mixer



**S-50**

- Speed range: 60-500rpm
- Orbit range of 6mm in low speed and orbit range of 40mm in high speed.

## Rotator, Vortex & Blotter, Programmable



**RM-2M**

- Including tube adaptors for: 2x50ml, 4x15ml, 8x1.5ml, 8x0.5ml.
- Vibrating and rotating.

## Rotator, Adjustable rotor angle (without Disks)



**TMO-1500**

- Speed range: 0~50 rpm
- Continuous or timed operation up to 180 min
- Adjustable mixing angle, 0°~90°.

## Adjustable Angle Suspension Mixer



**Tubes:  
15ml  
50ml**

**TMO-1700 / TMO-1702**  
10-100rpm 40-240rpm

## Mini Twist Shaker for Tubes



**TRO-1100**

- Circular motion coupled with a rocking pattern
- Speed: 30rpm at 60Hz, 25rpm at 50Hz
- Maximum load 500 gram.

## Fixed Angle Rotator for Tubes 1.5ml,15ml,50ml



**TMO-1600**

- Continuous or timing operation 0-30 minutes
- Speed range 10~100 rpm
- Fixed mixing angle at 45°
- Disc size 300mm diameter.

## Magnetic Stirrer up to 8 liter of Water



**F-23**

- Speed range: up to 1300rpm
- 120x130mm, up to 8 liter
- Up to 1400rpm.

## Magnetic Stirrers up to 30 liter



**F-43D** / **F-33**  
305x285mm up to 30L, Digital / 175x175mm up to 10L

## Multimagnetic Stirrers Independent Control for Each Channel



**F-13/2x2** / **F-13/3x2**  
4 Places / 6 Places

## MultiMagnetic Stirrers, Independent Control for each Channel



**F-13/4** / **F-13/6**  
600x130mm 4 Places / 800x130mm 6 Places

## Multimagnetic Stirrers 5 Places or 10 Places



**MUSS-10** / **MUS-5**  
10 Places / 5 Places

## Multimagnetic Stirrer with Heater 10 places



**MUSH-10**

- Temp. range: Up to 120°C
- Speed control: Up to 1100rpm
- Max. diameter of beaker 90mm
- Dimen.: Top plate 180x450mm.

## Digital slide heaters



**HPS-1**  
For 10 slides

**HPS-6**  
For 21 slides

## Magnetic Stirrer up to 1liter



**MOS-120**

- Round shape ABS housing chemical resistance
- Speed range: up to 2300rpm
- With holding clamp for PH electrodes
- Dimen.: diam. 135mm H 49mm.

## Digital Magnetic Stirrer up to 3liter



**MOS-135D**

- Round shape ABS housing chemical resistance
- Speed range: up to 1500rpm
- Dimen.: diam. 135mm H 49mm.



## Hotplate Magnetic Stirrer 300°C



**GMH-5** / **MH-4**  
 250x250mm / 180x180mm  
 up to 25liter / 8-10liter  
 3000Watts / 750Watts

## Digital Giant Hotplate 400x400mm 370°C



**HP-400**

- Temp. stability:  $\pm 1^\circ\text{C}$
- Dimen.: W400xH150xD400mm
- Digital set-point and read-out of actual temperature.

## Digital Hot Plates up to 300°C

**GHP-4D**  
 250x250mm



**HP-4D**  
 175x175mm  
 Digital Control

## Digital Ceramic 550°C Hotplate with Stirrer



**HSCD-7**

- Plate size 184x184mm
- Stirring speed 100-1500rpm
- Heating temp. up to 550°C
- Inte/ext temp. probe PID control.

## Hotplate Magnetic Stirrers, Multi-Units



**MH-1/2x2** / **MH-1/3x2**  
 4 places / 6 places

- Plates 11.5x11.5cm
- Individually controlled stirring & heating positions.

## Hotplate Magnetic Stirrers, Multi-Units



**MH-1/4** / **MH-1/6**  
 4 places / 6 places

- Plates 11.5x11.5cm
- Individually controlled stirring & heating positions
- Stirring speed up to 1600 rpm.

## Heating Platforms, CERAN 500, up to 500°C



**CERA-2828** / 280x280mm  
**CERA-4328** / 430x280mm  
**CERA-4343** / 430x430mm  
**CERA-5843** / 580x430mm

## Digital Hotplate Stirrers up to 300°C



**MH-4D** / **GMH-5D**  
 175x175mm / 250x250mm  
 up to 8liter / up to 30liter

## Ceramic HotPlate Stirrers up to 500°C



**MHK-4/3D**  
 Digital  
 175x175mm



**HPK-1/6**  
 Analog  
 105x105mm

## Heating Mantle with Digital Control+sensor



up to 450°C

K-5-50D	50ml
K-5-100D	100ml
K-5-250D	250ml
K-5-500D	500ml
K-5-1000D	1000ml
K-5-2000D	2000ml
K-5-3000D	3000ml

## SpillProof Flask Heaters, up to 650°C



K-2 / K-1  
2000ml / 1000ml

## SpillProof Flask Heaters with Magnetic Stirrers up to 650°C



KM-2 / KM-1  
2000ml / 1000ml

## Heating Mantle with Analog Control



up to 450°C

MN-50C	50ml
MN-100C	100ml
MN-250C	250ml
MN-500C	500ml
MN-1000C	1000ml
MN-2000C	2000ml
MN-3000C	3000ml
MN-5000C	5000ml
MN-10LC	10liter

## SpillProof Flask Heater Stirrer up to 1 Liter

up to 650°C



KM-1D

- Digital PID heating mantle: Spillproof flask heater for flasks of 250,500,1000ml
- Includes support rod holder
- Max temperature: 750°C.

## Heating Mantle with Stirrer, up to 450°C



MNS-250	250ml
MNS-500	500ml
MNS-1000	1000ml
MNS-2000	2000ml
MNS-5000	5000ml

## Multi Channel Heating Mantles



Optional: Magnetic Stirrer

K-5-6-250D	250ml
K-5-6-500D	500ml
K-5-6-1000D	1000ml

## Heating Tape 200watt Max. 450°C



HT1-1	1m length
HT1-2	2m length
HT1-2.5	2.5m length
HT1-3	3m length
HT1-4	4m length
BOX 3216	Temp.Controller

## Multi Kjeldahl Extraction SpillProof Heaters



up to 650°C

K-4	/	K-6
4 flasks		6 flasks
4x550Watts		6x550Watts

## Digital One Block Dry Bath, up to 150°C



**DBD-001N / DBD-002N / DBD-003 / DBD-004**  
 for 1 block, up to 150°C    for 2 blocks, up to 150°C    for 3 blocks, up to 110°C    for 4 blocks, up to 120°C

## Digital Thermo Shaker



**DBS-001 / DBSC-001**  
 Heat    Heat/Cool

- For microtubes
- Temp. range: Ambient up to 100°C
- Speed range: up to 1500rpm.

## Digital Dry Bath+Gas Distribution System



*Sample Concentrator*

**DBG-002**

- Needles or glass pipets blow
- Temperature range up to 150°C
- Amount of airflow can be adjusted..

## Digital Thermo-Shaker for 4 Microplates



**MOB-04A**

- Temperature range: up to 60°C
- Speed range: 100-1200rpm
- Stroke: 2mm
- Platform: 215x300mm.

## Chemical Oxygen Demand Reactor for 16 Tubes



**DBR-001N**

- Determination of COD, TOC, total Phosphate & total Nitrogen
- Temp. range up to 200°C
- Timer: up to 999 minutes.

## Digital dry bath incubator 150°C



**DBD-002N**

- For 2 blocks
- Timer: up to 999 minutes.
- LED display.

## Graphite Digester up to 450°C



**GD-22**

- Temperature ~450°C
- Heating method Infrared heating & high-purity graphite conduction.

## Blocks



0.5ml  
 1.5ml  
 2ml  
 6ml  
 10ml  
 15ml  
 50ml

## Slide Denaturation/ Hybridization System



**SDH-12**

- For 12 slides
- Temperature range: up to 100°C
- Hybridization, fixwd temperature
- Timer: 1min-99h59min.



## Dry Batch Mill with Separated Cup



**SM-450**

- For dry materials
- Speed range: up to 27,000rpm
- Cup dimen. dia. 90mm, H65mm
- Optional: Cooling jacket.

## Cutting Mill for Very Hard Materials



**KM-1500**

- For dry materials
- Speed range: up to 28,000 rpm
- Maximum capacity: 375gram
- Cup size: diameter 270mm, height 300mm.

## Sieve Shaker & Sieves



**TSS-200 / TSS-300**  
200mm / 300mm

- Rotation Speed: 0-6000rpm
- Electronic control
- Continuous/timer 0-60min.

## Jar Mills



**RJM-102 / RJM-103**  
Pot diam.120-350mm / Pot diam.70-130mm

## Vertical Crushing Machine



**CCM-10**

- 8 sieves & a holder attach with for your easy use.
- Out line size: High: 60 cm, W : 35-40 cm, Weight: 25 kgs.

## Micro Ball Mill



**MBM-100**

- Handle simultaneously two samples 0.2ml - 50ml.

## Mortar Grinder



**PMG-100**

- Universal, High Performance
- For processing of solid materials in dry, wet or cryogenic condition
- Mix sample volumes 10-200ml.

## Continuous Cutting Mill



**Benchtop**

**CM-5000**

- Size of particles:20/40/60mesh
- Grinding rate:up to 5kg/hour
- Dimen: w21xd29hx24cm, 13kg

## Continues Cutting mill



**Floor**

**CM-20000**

- Size of particles: 0.5/1/2mm
- Grinding rate: up to 20kg/hour
- Dimen: w35xd58hx11cm.

## Blenders



**800G** / **8010S**  
 1.2 liter / 1 liter  
 22,000rpm / 18,000/22,000rpm  
 Glass container / S.S container

## Benchtop Homogenizers up to 5liter



**HOG-160-1 / HOG-160-2 / HOG-500-1/2**  
 0.1-50ml / 1-250ml / up to 5 liter  
 Ø 5mm / Ø 10mm / Ø 20mm

## Portable/Benchtop Homogenizer, up to 3liter



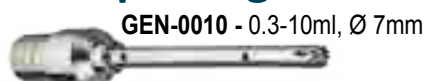
**HOG-020**

- For manual use and table use
- Speed range: up to 26,000rpm
- Capacity: 0.3 up to 3,000ml
- Over heat protector.

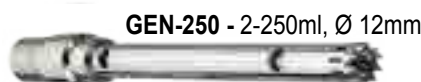
## Impellers

NO.1	NO.2	NO.3	NO.4	NO.5
 Ø4,5,5,6,5 7,5,8,5,9,6cm	 Ø5cm	 Ø5cm	 Ø5cm	 Ø5cm
NO.6	NO.7	NO.8	NO.9	NO.10
 Ø3,7,10cm	 Ø5cm	 Ø5cm	 Ø5,9cm	 Ø1,5,2,5,4cm
NO.11	NO.12	NO.13	NO.14	NO.15
 Ø5,6,8,10,12,14cm	 Ø10cm	 Ø5cm	 Ø5,7,10cm	 Ø8,10,12cm
NO.16	NO.17	NO.18	NO.19	NO.20
 Ø8,10,12,16,20cm	 Ø5cm	 Ø5,7,7,5,8,11cm	 Ø9,5cm	 Ø7cm
NO.21	NO.22	NO.23	NO.24	NO.25
 Ø3cm	 Ø2,5,4cm	 Ø14cm	 Ø10cm	 Ø4cm

## Saw Tooth Dispersing Tools



**GEN-0010** - 0.3-10ml, Ø 7mm



**GEN-250** - 2-250ml, Ø 12mm



**GEN-2000** - 2-2000ml, Ø 20mm



**GEN-3000** - 100-3000ml, Ø 30mm

## Digital Benchtop Homogenizer, up to 3liter



**HOG-022**

- Include stand
- Over heat motor protector
- Speed range: up to 20,000rpm
- Capacity: 0.3 up to 3,000ml.

## Homo Disperser



**HOD-312**

- Motor: DC 220W
- Max. Speed (rpm): 12,000
- Capacity (L): 0.1 ~ 2.

## High Speed Mixers



**RC-750** / **RC-1000**  
 0-5000rpm / 0-6000rpm  
 750watt / 1000watt

## Digital Mixer



**RK-2200**

- 200-2000rpm
- Torque 10kg/cm, 100 watt.

## Kjeldahl Auto Analyzer



**AKA-11**

- Analyzer for Nitrogen determination
- Automatic integrating distillation and titration functions.

## Kjeldahl Auto Distillation Unit



**DIST-984**

- Designed to determine Nitrogen content of samples in the globally accepted Kjeldahl Nitrogen determination method.

## Fat Analyzer: Soxhlet Extraction Method



**FA-46**

- Based on the Soxhlet extraction principle: soaking, extraction, leaching, heating, condensation and solvent recovery.

## Cryoscope



**CRY-8**

- Automatic measurement for milk freezing point
- Measuring time 90 sec
- Accuracy 0.002°C.

## Standard Milk Analyzer 60 SEC



**MIA-SLP-60**

- FAT – 0.01% - 25%
- SNF – 3% - 15%
- Density – 1015 –1040kg/m<sup>3</sup>
- Proteins – 2% - 7%.

## Osmometer



**OSM-9**

- Sample volume: 100 µl
- Measuring range: 0-2000 mOsm/kgH<sub>2</sub>O
- Resolution: 1 mOsm/kgH<sub>2</sub>O.

## 2 Counting Channels Hematology Analyzer



**HA-17600**

- Test Parameters: WBC, LYM, MUD, GRA, LYM, MID%, GRA%, RBC, HGB, MCHC, MCH, MCV, RDW-CV, RDW-SD, HCT, PLT...

## Automated Chemistry Analyzer



**FACA-1240**

- Discrete, 120 tests for hour random access.
- Reaction positions - 81 cuvettes, 9 cuvettes/strip.

## Coagulometers



**CA-01C / CA-02C / CA-04C**  
1 Channel 2 Channels 4 Channels

- LED Detectors
- Touch Screen, Internal Printer.



## Laboratory Glassware Washer



**WG-0160**

- Washing up to 85°C
- 7 Standard programs stored
- Capacity: 150 liter.

## High Capacity Glassware Washer



**WG6090B**

- 3 Microprocessor programmable electronics, up to 30 programs
- Capacity: 365 Liter.

## Safety Gas Burner up to 1200°C



**FLAME100**

- optional: Foot pedal.

## Digital Glass Bead Sterilizer



**STER-817D**

- Crucible size 40mm dia. 80mm Depth
- Preset Temperature Range 100°C - 300°C.

## Bacti Cinerator Sterilizer



**STER-815**

- Complete sterilizing in 5-7 sec. at 815°C
- Maximum diameter 14mm
- Length of sterilizer: 140mm.

## Safety Gas Burner up to 1350°C



**Fuego SCS Digital**

- With optional foot pedal
- IR Sensor-activate & close the flame by moving your hand.

## Atmosphere Muffle Furnace, 1600°C



**MF-16A-3/MF-16A-8/MF-16A-12/MF-16A-19**  
3liter 8liter 12liter 19liter

## Furnace up to 1700°C



**MF-17M-12**

- Inside Chamber: 200x200x300mm
- Temperature Control 30 steps programmable & PID automatic control.

## Vacuum Tube Furnace



**TFV-12NT-80-450**

- Up to 1200°C
- Diameter: 80mm
- Heated length: 450mm
- Split opening.
- With quartz tube for inert gas and vacuum.

## Refrigerated Centrifuges, High Speed



**CENSFR-4L**

- Up to 25,000rpm
- Up to 4000ml
- Tubes Rotors: 1.5-1000ml



**CENHFR-1L**

- Up to 18,000rpm
- Up to 1000ml
- 2x2x96 Holes
- Tubes Rotors: 1.5-250ml



**ROTOR-A-6X1000-7K**



**ROTOR-SE-2X2X96-4K**



**ROTOR-A-24X1.5-21K**



**ROTOR-A-6X50-13K**

## Tabletop Micro High Speed Refrigerated Centrifuge



**CENHBR-60ML**

- Max Speed 16000 r/min
- Max RCF 18270 xg
- Max Capacity 24x1.5ml.

## Refrigerated Centrifuges, Low Speed



**CENLFR-3L**

- Up to 5,000rpm
- Up to 3000ml
- Swing Rotors
- Tubes Rotors: 15-750ml



**CENLFR-6L**

- Up to 6,000rpm
- Up to 6000ml.

## TableTop Centrifuges

### Micro Centrifuges



**CENHBN-40ML**

- Up to 16,000rpm
- For rotors 1.5/5ml



**CENHBN-600ML-4**

- Up to 18,000rpm
- For rotors 1.5/5/10/50/100ml



**CENLBN-300ML-1**

- Up to 5,000rpm
- For rotors 7/15/50ml



**ROTOR-A-8x5-15K**



**ROTOR-A-12x1.5-16K**



**ROTOR-A-12x10-12K**



**ROTOR-A-12x5-15K**



**ROTOR-A-6x50-5K**



**ROTOR-S-24X7-4K**

## Clinical Centrifuges 8 places 15ml+Timer



**LCEN-100 / LCEN-101 / LCEN-102**  
2500rpm    6000rpm    6000rpm  
+tachometer

## Clinical Centrifuges 12x15ml, 24x15ml, 4x50ml +Timer



**LCEN-304 / LCEN-312 / LCEN-324**  
4x50ml    12x15ml    24x15ml

## Clinical Centrifuges



**LCEN-200 / LCEN-201**  
8x15ml    12x15ml  
3000rpm    3500rpm

## Clinical Digital Centrifuge 12 places 15ml



**LCEN-401N**

- 12x10ml/7ml/5ml, 8x15ml
- Brushless DC motor, 4500rpm

## Digital Mini Centrifuge For 2-0.2ml Tubes



**ECEN-15K**

- Speed range up to 14,500rpm
- Maximum RCF: 14,000Xg
- 12 places for 1.5/0.5/0.2ml/2 tubes.

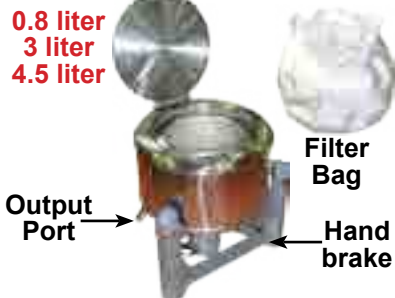
## Microcentrifuges 6 places 1.5ml/2ml



For Short-Spin down

**ECEN-6 / ECEN-7 / ECEN-10**  
6000rpm    7000rpm    10,000rpm

## Separation Basket Centrifuge



**BSCEN-600**

- Speed range: up to 3000rpm
- Max. RCF: 1509G
- Capacity: 800ml, 3L, 4.5L.
- Basket size: diam. 150mm H80mm.

## Minicentrifuge for 2xPCR plates



**Mini-Plate**

- 2,500rpm
- Maximum RCF (XG) 500G.

## Minicentrifuge for 2xPCR Plates



**MINI-PLATE-1**

- With skirt or without skirt / Elisa plates 8x0.2ml PCR strip tubes / 0.2ml PCR tubes
- Rotor Speed: 2,200rpm.



## Dissolved Oxygen/Temp. Meter Complete Kit



**DO-5510**

- Dissolved oxygen: 0 to 19.9mg/L
- Oxygen gas: 0 to 100%
- Temp: 0 to 50°C.

## BenchTop PH/mV/temp/rs232 Meter Complete Kit



**PL-600**

- PH: 0.00 to 14.00
- Temp: 0-100°C
- mV: -2000 to 2000mv.

## Portable PH/Temp. Meter kit



**MP-103**

- Range: 0-14.00pH ±1999mV 0-100°C
- Accuracy: ±0.01+1 digit ±1+1 digit ±0.20C+1 digit.

## Turbidity Meter Complete kit



**TU-2016**

- Auto range, 2 ranges: 0 to 50NTU/50 to 1000NTU
- Resolution: 0.01NTU/1NTU
- Light source: LED, 850nm.

## eXact Chlorine Photometer



**ITS-486696-PLUSK**

- Measurable parameters:  
Free & total Chlorine 0-11 ppm  
Bromine 0-14 ppm  
Ozone 0.01-9 ppm  
Chlorine dioxide 0-12 ppm...

## PH/mV/Temp/Cond/TDS/Salt Meter Complete kit



**86505**

- BenchTop
- Complete kit includes: plastic 12mm cond. electrode, plastic PH 12mm electrode, temp. sensor & stand, software & computer cable.

## Portable Density/ Specific Gravity Meter



**DA-130N**

- Sample test materials
- Range 0.0000 ~ 2.0000 g/cm<sup>3</sup>
- Precision ±0.001 g/cm<sup>3</sup>
- Resolution 0.0001 g/cm<sup>3</sup>.

## Digital Rotary Viscometer



**VIS-1D**

- Measure viscosity of mineral oil, lubrication oil, adhesives etc.
- 4 spindles included
- Rotor speed(RPM): 6/12/30/60.
- Measurement range: 10-100,000cP.

## Digital Rotary Viscometer



**VIS-9**

- Range: 10 to 2,000,000 cP
- Includes 4 Spindles & stand.
- Rotation speed: 0.3,0.6,1.5,3,6,12,30,60 rpm
- Printer connection.

## Hand Refractometers



<b>REF113ATC</b>	0-32%
<b>REF-104</b>	28-62%
<b>REF105</b>	45-82%
<b>REF108</b>	0-80%
<b>REF112</b>	0-18%
<b>REF211</b>	Salinity

## Digital Brix Refractometer 0-85%



**REF-85**

- Resolution 0.1% Brix.
- Measurements time approximately 1.5 sec.
- Min. Sample Volume 0.1 mL.

## Abbe Refractometer 0-95% Brix 1.3000 to 1.7100



**K 7135**

- Scale unit 0.25%
- Illuminating lamp High intensity LED.

## Disc Polarimeter



**PLRM-4**

- Measurement Range:  $-180^{\circ}$  to  $+180^{\circ}$
- Scale Value:  $1^{\circ}$ , Vernier:  $\pm 0.05^{\circ}$
- Magnifier: 3X, Light Source: Sodium Lamp
- Wavelength: 589.44nm, Tube.

## Automatic Polarimeter



**AP-81**

- Measuring range  $\pm 89.99^{\circ}$  (specific rotation)
- Accuracy  $0.01^{\circ}$  (full scale)
- Min. reading  $0.001^{\circ}$  (specific rotation).

## Automatic Refractometer



**REF-A61**

- Refractive index range (nD) 1.3000-1.7000
- Measured value error (nD)  $\pm 0.0002$
- Measurement resolution (nD) 0.0001.

## Thermal Imager



**IR-CAM-160**

- IR resolution 160 x 120 pixels.
- Pixel pitch 25 $\mu$ m.
- Spectral range 8-14 $\mu$ m.
- Min focus 21 $\times$  16 $\circ$ /0.15m.

## BOD Tester



**BODT-5**

- 6-day pressure difference method
- Measurement range 0-20 mg/l
- Measurement time 60min/specimen

## Melting Point Apparatus



**MPA-12**

- Melting point range Room temperature - 400 $^{\circ}$ C
- Advanced touch screen, digital display.

## Visible Spectrophotometer Single Beam



### SPECTRO-V11D

- Wavelength range: 325-1000nm
- Spectral Band with 4nm
- Accuracy:  $\pm 2$ nm Repeatability 1nm

## Spectrophotometer UV-VIS



### SPECTRO-UV11

- Wavelength range: 200-1000nm
- Spectral Bandwidth: 4nm
- Accuracy:  $\pm 2$ nm Repeatability 1nm

## Spectrophotometer UV-VIS 4nm



### SPECTRO-UV16

- Wavelength Range: 190-1100nm
- Developed for precise tests
- Wavelength Accuracy  $\pm 0.5$ nm
- Wavelength Repeatability 0.3nm.

## Atomic Absorption Spectrophotometer



### AAS210

- Integrated flame/graphite furnace
- Wavelength range 190-900nm
- Autosampler 55 sample vessels.

## Double Beam Scanning Spectrophotometer



### SPECTRO-UV61

- Spectral Bandwidth: 1.8nm
- Wavelength Accuracy:  $\pm 0.3$ nm
- Wavelength range: 190-1100nm
- Scanning Speed Hi, Med, Low...

## Precision Colorimeters



### CLRM Series

- Auto locating of light source.
- Built in calibration plate
- Illuminating/viewing geometry: 8d
- Error :  $\leq 0.80\Delta E^*ab$

## Auto Microplate reader, 8 Reading Channel Reader



### UT-2100C

- Absorbance range 0.000-4.000Abs
- Resolution 0.001Abs (display)
- 0.0001Abs (calculation)
- Accuracy  $\pm 0.1\%$  or  $\pm 0.005$ Abs.

## Auto Microplate Reader, 8-Reading Channel Reader with PC Control



### UT-6100

- Standard wavelength 405, 450, 490, 630nm others upon request
- More than 100 programs, up to 100,000 test results.

## Bomb Calorimeter



### CALO-B

- Analysis time: <25 min
- Heat capacity stability: <0.2%
- Heat capacity precision: <0.2%
- Temp. resolution: 0.0001k.



## Digital Vacuum Ovens 210°C



<b>1407DIG</b>	16 liter
<b>1408DIG</b>	47 liter
<b>1465-2</b>	127 liter
<b>1495-2</b>	255 liter

## Air Forced Ovens up to 250°C



**DFO-36/DFO-80/DFO-150/DFO-240**  
36L 80L 150L 240L

## 200°C Natural Convection Ovens



**DNO-30/DNO-50/DNO-80/DNO-150/DNO-300**  
30L 50L 80L 150L 300L

## Digit. Vacuum Drying Oven 250°C/90L



**DVO-90**

- Temp. range RT+10 ~ 250°C
- Vacuum Degree Range <133PA
- Temperature Resolution 0.1°C

## 2160 liter air forced oven+window+timer



**DFO-2160**

- Air forced oven up to 250°C
- Internal:W1800xD1000xH1200 mm
- External:W2000xD1200xH1980 mm

## Large Force Convection, Single Door Oven



**DFO-480** 480 liter  
**DFO-600** 600 liter

## Horizontal Airflow 788 liter oven up to 200°C



**FX28-2**

- Internal stainless steel
- Internal: w787xd635xh1570mm
- External: w940xd864xh2000mm

## Large Chamber Furnaces up to 1100°C, 1200°C



**MSF 11/30 / MSF 11/40 / MSF 12/40**  
up to 1100°C up to 1100°C up to 1200°C  
30 liter 40 liter 40 liter

## Large Chamber Furnace up to 1100°C



**MSF 11/80**  
up to 1100°C  
80 liter

## Oil Vacuum Pumps



- ST-85** 250Watt, 85L/min., 0.13mB
- ST-140** 375Watt, 140L/min., 0.13mB
- ST-42** 250Watt, 42L/min., 0.066mB
- ST-185** 375Watt, 85L/min., 0.066mB

## Oil Free Laboratory Vacuum Pumps



- VP-17** 60Watt, 17L/min., 146mB
- VP-19** 80Watt, 22L/min., 40mB
- VP-33** 190Watt, 33L/min., 40mB
- VP-34** 80Watt, 34L/min., 146mB
- VP-58** 190Watt, 58L/min., 146mB

## Chemical Resistant Vacuum Pump + trap + regulator



**CVP-13-1**

- Power 95watt 1/6 horsepower
- 25liter/minute, 13miliibar, 10torr,-750mmHg, 99.9kPa
- Port thread 5/16"
- Weight 7kg.

## Vacuum Filtration System



**VP-17-LF30**

- For Filtration Requiring the Sterilization Such as Microbiology Test.

## Poratble Bio-Suction Systems+Bottle 1liter



- BSU-25** / **BSU-40**
- 25Watt / 200Watt
- 25liter/min. / 40liter/min.

## PTFE Coated Chemical Resistant Vacuum Pump 20 liter/min 174mbar



**VP-17C**

- Eternal dimen.: 215x135x204mm
- Weight 4.1kg
- Include moisture trap & vac. regulator.

## Vacuum Filtration System for general filtration in lab.



**VP-17C-VF12**

- Max. flow rate 18 L/min
- Max. vacuum 670 mmHg (89.3 kPa) (120 mbar)
- Capacity: Funnel-300 ml.

## 3/6 branch SS316# manifold with funnel adaptor(without funnel)



**180300-02 / 180600-02**

- Filter diameter: 47mm / 50mm
- Funnel capacity: 100ml / 300ml / 500ml
- Effective filtration area: 9.6 cm<sup>2</sup>.

## Vacuum filtration set, complete system, 6 places



**180600-22-T**

- Max. flow rate: 34 l/min
- Max. vacuum: -680 mmHg (107 mbar)
- S.S. manifold 6 places
- STER 100 torch burner.

## UV Transilluminator for 365/302 nm



**UV-26**

- 21x26cm dimensions
- Adjustable hinge makes the UV protective glass be adjusted & fixed to the operator's visual angle.

## Power Supply For Electrophoresis



- PWR-3040** 300volt,400mA,60watt  
**PWR-3070** 300volt,700mA,150watt  
**PWR-5080** 500volt,800mA,300watt

## Digimage System with 12.1megapixels Digital Camera



**GDS-01**

- High resolution 8" TFT screen.
- Digital control panel.
- Compact hood & light weight.

## MINI Horizontal Gel Complete System +Power supply



**MINI-ELECTRO**

- Bath dimensions:110\*121\*43mm
- Volume of bath: 230ml
- For DNA & RNA electrophoresis.

## Basic Peristaltic Pump 4.2 to 6000ml for min



**PP-X-6000**

- Peristaltic pump adopts brushless DC motor.
- It has features of high output torque, low vibration, high efficiency.

## Peristaltic Pump to 575ml for Min



**PP-X-575**

- Flow range: 0.00016-570ml/min
- Speed range: 0.1-150rpm.

## Dissolution Tester 6 places



**DISS-06**

- complies with UPS and JP 6 x Round bottom flasks, Cover of bottom flasks, Rotation shafts, Rotation baskets, Paddle shafts, Sinkers.

## Disintegration Tester



**DINT-02**

- Driving motor 8W
- Heater 600W
- Dimen.: W47xD32.5xH55.5cm
- Weight 22kg.

## Jar Testers



**JT-4P** / **JT-6**  
4 Places / 6 Places



## Micro Balances



- Internal Automatic Calibration
- Pipette Calibration
- GLP Procedures
- Infrared Sensors.

<b>MGB-2</b>	2gr/0.001mg
<b>MGB-3</b>	3gr/0.001mg
<b>MGB-5</b>	5gr/0.001mg
<b>MGB-11</b>	11gr/0.001mg
<b>MGB-21</b>	21gr/0.001mg

## Analytical Balance 220gr/0.1mg



**ASB-220-C2**

- Internal Automatic Calibration
- Pan size: Ø85mm.

<b>ASB-60-220-C2</b>	60/0.01&220/0.1gr
<b>ASB-310-C2</b>	310/0.1gr
<b>ASB-220-C2</b>	220/0.1gr

## Moisture Balance 50gr/0.001g



**MB50**

- For quick test of % water content
- Halogen/IR heater
- Max capacity: 50g
- Reading unit: 1mg..

## Analytical Balances



### Internal Automatic Calibration

<b>BPS-450-C2</b>	450gr/0.001gr
<b>BPS-750-C2</b>	750gr/0.001gr
<b>BPS-1500-C2</b>	1,500gr/0.01gr

## Analytical Balances



### Internal Automatic Calibration

<b>BPS-2500-C2</b>	2,500gr/0.01gr
<b>BPS-4500-C2</b>	4,500gr/0.01gr
<b>BPS-6000-C2</b>	6,000gr/0.01gr

## Precision Balances



<b>BWLC-6-A2</b>	6kg/0.1gr
<b>BWLC-10-A2</b>	10kg/0.1gr

## Precision Balances



<b>BWLC-30-C1K</b>	30kg/0.5gr
<b>BWLC-60-C2K</b>	60kg/1gr
<b>BWLC-60-120-C2K</b>	60kg/1gr & 120kg/2g

## Floor Balances



<b>BWTC-150-C2</b>	150kg/50gr
<b>BWTC-300-C2</b>	300kg/100gr

## Calibration Weights



**Class E1/E2/F1/F2/M1**

## Biological Microscope



**BAM-102i**

- Objectives: X4, X10, X40, X100
- Mechanical Stage: 142x135mm platform
- With X/Y travel of 76X52mm.

## Stereo Zoom Trinocular Microscope



**SMZ-171-TL**

- Magnification range: standard 7.5 to X50  
Optional: up to X200
- Zoom ratio 1:6.7
- Working distance: 110mm.

## Video Zoom Microscope



**MZ-3**

- Complete system includes Camera LCD Screen
- Led ring light
- Zoom Range: 7X to 50X.

## Digital Microscope 2M pixel USB2+software



**DMBA210**

- 55-75mm interpupillary distance
- Large field of view with 18mm or 20mm options
- Objectives: X4, X10, X20, X40, X60, X100

## Inverted Microscope



**AE31**

- High Eyepoint WF 10X/22mm
- Eyepieces + Diopter adjustment
- Colour Corrected Infinity Optics System.

## Cameras for Microscopes



**MOTICAM-X / MOTICAM-T-8"**  
2MPixel / +8" Screen  
WI-FI / 5MPixel

## 144 Led Light Source



**AC-LED-2**

- Ring Led light source 144 white Leds 4.6watt
- Color temperature: 6400k, or custom
- Mounting diameter: max. 61mm
- Adjustable intensity
- Lamp life: 20,000 hours

## Flex arm Stand with e-arm Focus & Clamp



**2104**

## Fiber Optic Lamp-Twin Arms



**CL-150**

- Each arm length 500mm
- High intensity lamp: 21V/150W
- Filters: red/blue/green/yellow.

## Multi Channel Pipettes

**MPC-8**  
8 Channels

**MPC-8-10** 0.5-10 $\mu$ l  
**MPC-8-50** 5-50 $\mu$ l  
**MPC-8-100** 10-100 $\mu$ l  
**MPC-8-300** 30-300 $\mu$ l

**MPC-12**  
12 Channels

**MPC-12-10** 0.5-10 $\mu$ l  
**MPC-12-50** 5-50 $\mu$ l  
**MPC-12-100** 10-100 $\mu$ l  
**MPC-12-300** 30-300 $\mu$ l



## Electronic Pipette Filling Device



### PIP Series

- Volumetric Range: 0.1-200ml
- Can fill 25ml pipette under 4 sec.
- 2 different speed modes - High & Low.

## 1 Channel Pipettes

**MPC-2.5** 0.1-2.5 $\mu$ l  
**MPC-10** 0.5-10 $\mu$ l  
**MPC-50** 5-50 $\mu$ l  
**MPC-100** 10-100 $\mu$ l  
**MPC-1000** 100-1000 $\mu$ l  
**MPC-20** 2-20 $\mu$ l  
**MPC-200** 20-200 $\mu$ l  
**MPC-5000** 500-5000 $\mu$ l



### MPC Series

- Includes calibration report
- Conforming to EN-ISO 8655 standards.

## Manual Thermo Press Forming Machins



**QC-601-30TON** 30 TON

## Digital Differential Blood Cell Counter



### BCCD-8

- Buzzer alarm at 100
- Functions: clear, lock, decrease, %
- 8 units lab-count with totalizer.
- Led Display 0-999.

## Colony counter with electronic register



**CLC-570 / CLC-230**  
With RS-232  
Communication  
& Software