

OSWORLD[®]

Experiment With The Truth



A chance meeting with India's first Prime Minister Jawaharlal Nehru, at a scientific equipment exhibition that was held to give an impetus to the newly-forming Indian economy, changed the life of Joseph D'Souza, the founder of Osworld Scientific Equipments Pvt. Ltd. That was in the year 1952. Joseph was just 22-years old. With a pat on his back, the Prime Minister told him to start his own company. He saw a spring in the stride of the sprightly young lad! That statement made Joseph stand six inches taller, and he has never looked back since then.

Today, the 52-year-old company, which has two directors in his sons, Osbert D'Souza and Oswin D'Souza, boasts of satisfied clientele worldwide. The company follows the ISO system rigidly. Customer complaints are treated on priority. New technology is made available from time to time.

The competition is tough, but that does not deter the men at the helm. It is competition that is making them envisage Osworld as an organization that should INVENT rather than RE-ENGINEER. Service at Osworld is very prompt and the results are telling. Repeat orders from satisfied customers tell their own story.

And there can be no better compliment for the octogenarian when he hears customers tell his sons, "Osworld means reliability to them."

Highlights

- BVQI certified ISO 9001:2008
- Products conform to ICH guidelines
- Complies with USFDA, WHO, GLP and GMP norms
- Touch screen displays with HMI / PLC
- Software with 21CFR compliance
- IQ,OQ,PQ Validation
- NABL accredited calibration certificate

View Osworld's extensive Product Catalogue on www.osworldindia.com



Experiment With The Truth

P r o d u c t s

Deep Freezer



Cooling Incubator



Walk-in Stability Chamber



Pharma Refrigerator

BOD Incubator

Walk-in Cooling Incubator

Premium Model Autoclave



Bacteriological Incubator



Stability Chamber



Front Load Table Top Autoclave



Oven



Wing Nut Autoclave

Stability Chamber / Climatic Chamber

Stability Chamber / Climatic Chamber



FEATURES

- Fulfils conditions as per ICH guidelines
- Fully stainless steel with PUF insulation
- Temperature range: 10.0 °C to 60.0 °C. ±1 °C
- Humidity range: 25% to 90%. ±3 % RH
- Colour touch screen with HMI and PLC control
- Multipoint data logging with memory
- Audit trail, Alarms record and data logging
- Stand by refrigeration and boiler
- Door access control with SMS alert
- RS485 communication, 21 CFR Part 11 compliant features

For more information refer to pages 43 to 65 of our corporate book

Walk-in Stability Chamber

Walk-in Stability Chamber



Ordering Information

Model	Internal Size	External Size	Capacity	Shelves	Weight	Volume packed	Shpg wt	Power	
	W × D × H cm	W × D × H mm	Litres	SS	Kg	Cbm	Kg	VAC, Hz	Amps
OWISC	2000 × 1250 × 2000	2160 × 1510 × 2160	5000	16	104	5	500	230,50	20
OWISC	2000 × 2000 × 2000	2160 × 2360 × 2160	8000	24	130	8	600	230,50	20
OWISC	2000 × 2500 × 2500	2160 × 2960 × 2660	12000	36	158	13	800	440,50	10 × 3

Larger sizes available on request

A suitable size for your application can be designed given particular room dimensions

Above table is for Walk-in Stability Chamber

Model	Internal Size	External Size	Capacity		Shelves	Weight	Shipping weight	Power	
	W × D × H cm	W × D × H cm	Cu. ft.	Litres	SS	Kg	Kg	VAC, Hz	Amps
OSC 4	45 × 45 × 60	60 × 70 × 110	4	120	2	104	150	230,50	10
OSC 8	60 × 60 × 60	75 × 83 × 110	8	200	2	130	190	230,50	10
OSC 12	60 × 60 × 90	75 × 83 × 140	12	324	3	158	244	230,50	12
OSC 16	60 × 60 × 125	75 × 83 × 175	16	450	4	220	340	230,50	12
OSC 21	60 × 80 × 125	75 × 103 × 180	21	600	5	236	384	230,50	17
OSC 28	80 × 80 × 125	95 × 103 × 180	28	800	5	315	512	230,50	20
OSC 34	80 × 80 × 155	95 × 103 × 210	34	1000	5	394	640	230,50	20

Autoclave

Autoclave Premium Model

Single Handle | Vertical | Model OAT-SHE

Euro certification: CE certified from International Notified body, CE No: EU.IN.CE.0074-05/12



FEATURES

- Vertical model fully stainless steel construction
- Automatic operation, cycle begins by press of the START button
- Initial air purging cycle with inbuilt digital timer to control sterile time
- Automatic steam exhaust at the end of cycle
- Colour touch screen display with HMI and PLC control
- Four preset programs of discard media, liquid and glass ware sterilization with three user defined programs.
- User friendly menu/display, indicates all stages of sterilization cycle
- Pressure range: 15 to 30 PSI, factory set at 15 PSI
- Temperature range: 121°C to 134°C, factory set at 121°C
- Safety spring loaded pressure valve
- Pressure Pulsing both +ve and -ve programmable
- Assisted Air Cooling: For quick cooling of chamber
- Vacuum Pump system for automatic pre/post vacuuming with pulsing
- Drying cycle with automatic water fill
- Vacuum breaker-cum-lid locking arrangement for locking lid above 95°C
- Multiple micro-switches to sense lid closure and proper latching such that heating won't start if parameters not satisfied
- RS485 communication, 21 CFR Part 11 compliant features

Ordering Information

Model	Internal Size	External Size	Capacity Liters	Weight Kg	Shipping weight Kg	Power	
	Diameter × Height cm	W × D × H cm				VAC, Hz	Amps
OAT-SHE 52	35 × 55	64 × 45 × 92	52	160	220	230,50	12
OAT-SHE 65	35 × 65	69 × 51 × 102	65	170	230	230,50	12
OAT-SHE 75	35 × 75	73 × 62 × 110	75	180	240	230,50	16
OAT-SHE 95	45 × 60	73 × 62 × 115	95	200	260	230,50	16
OAT-SHE 125	45 × 75	73 × 62 × 125	125	230	290	230,50	16
OAT-SHE 175	55 × 75	92 × 82 × 125	175	265	325	230,50	24

For more information refer to pages 30 to 41 of our corporate book

This is a condensed catalogue. For more information refer to our corporate book on www.osworldindia.com

Autoclave

Autoclave Wing Nut Model

OSWORLD

Wing nut lid closure | Vertical | Model OAT



FEATURES

- Fully stainless steel
- Automatic operation
- Initial air purging exhaust cycle
- Digital timer
- Automatic steam exhaust
- Temperature range: 110°C to 121°C
- Temperature accuracy: ±0.5 °C
- Temperature sensor: PT100 RTD type Class 'A'
- Temperature Control: Microprocessor-based digital display.
- Temperature Display: LCD back lit display
- Pressure range: 10 to 22 PSI, factory set at 15 PSI.
- Pressure display: Dial gauge
- RS485 communication, 21 CFR compliant Part 11 features

Ordering Information

Model	Working chamber size	External Size	Capacity Liters	Weight Kg	Shipping weight Kg	Power	
	Diameter × Height cm	W × D × H cm				VAC,Hz	Amps
OAT 35	30 × 50	60 × 55 × 98	35	60	80	230,50	8
OAT 52	35 × 55	65 × 55 × 100	52	70	90	230,50	12
OAT 95	45 × 60	72 × 62 × 103	95	90	130	230,50	16
OAT 125	45 × 75	72 × 62 × 118	125	100	140	230,50	16
OAT 175	55 × 75	77 × 67 × 110	175	125	155	230,50	24

BOD Incubator/Cooling Incubator/ Pharma Refrigerator

BOD Incubator/Cooling Incubator/ Pharma Refrigerator



FEATURES

- Fully stainless steel with PUF insulation
- Temperature range:
 - For BOD Incubator: 5.0 °C to 60.0 °C.
 - For Cooling Incubator: 2.0 °C to 8.0 °C.
 - For Pharma Refrigerator: 2.0 °C to 8.0 °C.
- Microprocessor based PID Control
- Colour touch screen with HMI and PLC control
- Multipoint data logging with memory
- Audit trail, Alarms record and data logging
- Stand by refrigeration
- Door access control with SMS alert
- RS485 communication, 21 CFR Part 11 compliant features

Ordering Information

Model	Internal Size	External Size	Capacity		Shelves	Weight	Shipping weight	Power	
	W × D × H cm	W × D × H cm	Cu. ft.	Litres				VAC, Hz	Amps
OCI 4	45 × 45 × 60	60 × 70 × 110	4	120	2	104	150	230,50	10
OCI 8	60 × 60 × 60	75 × 83 × 110	8	200	2	130	190	230,50	10
OCI 12	60 × 60 × 90	75 × 83 × 140	12	324	3	158	244	230,50	12
OCI 16	60 × 60 × 125	75 × 83 × 175	16	450	4	220	340	230,50	12
OCI 21	60 × 80 × 125	75 × 103 × 180	21	600	5	236	384	230,50	17
OCI 28	80 × 80 × 125	95 × 103 × 180	28	800	5	315	512	230,50	20
OCI 34	80 × 80 × 155	95 × 103 × 210	34	1000	5	394	640	230,50	20

For more information refer to pages 79 to 85 of our corporate book

This is a condensed catalogue. For more information refer to our corporate book on www.osworldindia.com

Bacteriological Incubator

Bacteriological Incubator



FEATURES

- Construction double wall fully stainless steel
- Temperature range: Ambient +5 °C to 60.0°C
- Temperature accuracy / uniformity: 0.2 °C / ±1°C
- Temperature Control PID Control/PLC control option
- Temperature sensor: PT100 RTD type Class 'A'
- Heating Tubular in SS Sheathing
- Insulation: Rockwool
- Trays: Heavy-duty SS wire meshes
- RS485 communication, 21 CFR Part 11 compliant features

Ordering Information

Model	Internal Size	External Size	Capacity	Shelves	Weight	Shipping weight	Power	
	W × D × H cm	W × D × H cm	Litres				VAC, Hz	Amps
OBI 42	35 × 35 × 35	55 × 60 × 85	42	2	55	76	230,50	1
OBI 90	45 × 45 × 45	65 × 70 × 95	90	2	66	86	230,50	1
OBI 120	45 × 45 × 60	70 × 70 × 105	120	3	74	94	230,50	1
OBI 215	60 × 60 × 60	90 × 85 × 110	215	3	85	105	230,50	1
OBI 320	60 × 60 × 90	90 × 85 × 135	320	3	95	115	230,50	1
OBI 450	60 × 60 × 125	90 × 85 × 170	450	4	115	135	230,50	1

For more information refer to pages 87 to 91 of our corporate book

Deep Freezer

Deep Freezer



FEATURES

- Construction double wall fully stainless steel
- Temperature range ambient -20 °C / -30 °C / -40 °C
- Temperature accuracy / uniformity ± 2 °C / ± 2 °C
- Temperature Control PID Control / PLC control option
- Temperature sensor PT100 RTD type Class 'A'
- PUF Insulation
- Trays Heavy-duty SS wire meshes
- RS485 communication, 21 CFR Part 11 compliant features

Ordering Information

Model	Internal Size	External Size	Capacity		Shelves	Weight	Shpg wt	Power	
	W × D × H cm	W × D × H cm	Cu. ft.	Litres				VAC, Hz	Amps
ODF 4	45 × 45 × 60	65 × 114 × 130	4	120	2	104	150	230,50	10
ODF 8	60 × 60 × 60	79 × 121 × 130	8	200	2	130	190	230,50	10
ODF 12	60 × 60 × 90	79 × 121 × 165	12	324	3	158	244	230,50	12
ODF 16	60 × 60 × 125	79 × 121 × 199	16	450	4	220	340	230,50	12
ODF 21	60 × 80 × 125	76 × 141 × 217	21	600	5	236	384	230,50	17

For more information refer to pages 101 to 105 of our corporate book

This is a condensed catalogue. For more information refer to our corporate book on www.osworldindia.com

Oven

Oven



FEATURES

- Construction Double wall with insulation
- Temperature range: Ambient +5 °C to 250°C
- Temperature accuracy: ± 0.5 °C.
- Temperature uniformity:
 - ± 1 °C at 100° C
 - ± 1.5 °C at 150° C
 - ± 2 °C at 200° C
- Temperature control PID Control
- Temperature sensor: PT100 RTD type Class 'A'
- Heating Tubular in SS Sheathing
- Air circulation Flange motor with impeller / blower.
- Insulation: Rockwool
- Trays: SS wire meshes heavy duty.
- RS485 communication, 21 CFR Part 11 compliant features

Ordering Information

Model	Internal Size	External Size	Capacity	Shelves	Weight	Shipping Weight	Power	
	W × D × H cm	W × D × H cm	Litres				VAC, Hz	Amps
00G 42	35 × 35 × 35	52 × 60 × 70	42	2	65	85	230,50	6
00G 90	45 × 45 × 45	62 × 70 × 80	90	2	75	95	230,50	8
00G 120	45 × 45 × 60	62 × 70 × 95	120	3	85	105	230,50	8
00G 215	60 × 60 × 60	77 × 85 × 95	215	3	95	115	230,50	10
00G 320	60 × 60 × 90	77 × 85 × 125	320	3	115	125	230,50	12

For more information refer to pages 93 to 99 of our corporate book

21 CFR Part 11 Compliant Software

- Mean Kinetic Temperature (MKT), Audit Trail, Graphs, Tabular reports.
- Multiple user passwords
- Minimum, Maximum & Average value at the end of each report.
- Separate alarm report.
- Print/Scan frequency programmable (1 to 240 mins).
- Internal software logging every 1.5 seconds.
- Data acquisition, monitor & control (for PLC based).
- Password protection (Min 3 levels).
- Automatic acknowledgement within specified time with an alarm, log provided readings are logged for that particular alarm.
- Door opening/closing log (Magnetic log with passwords)
- Numeric as well as graphical report (common/individual)
- Roles & privileges for user, operator and administrator
- Electronic signature
- Scanner graph
- Current reading configurable (single/multiple) by user
- Channel-wise scanner alarm report
- Print frequency programmable through software
- Page length programmable
- Controller setting programmable
- Alarm logging with times (Actual high/low readings)

OSLOG Data Acquisition System Software

1. Login Screen



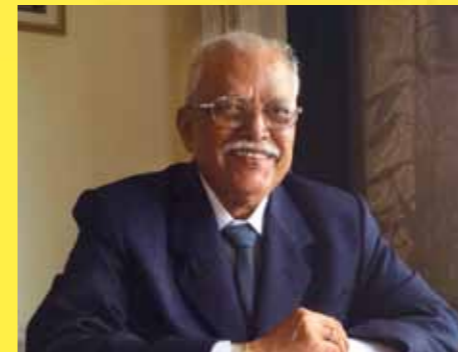
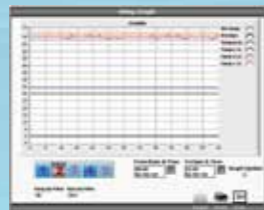
2. Security



3. Log Report



4. Log graph



Joseph D'Souza
Founder

Joseph learnt early in life that what he earns he must also give back to society. And it is this thought that got him to work with High Court Advocate R S Honawar to improve housing facilities for people in Mahim, Mumbai.

“Nothing makes me happier than seeing my employees move on to bigger things. I tell them to work hard because I believe everyone has the ability to reach out and touch the skies.” Age is only a number for Joseph (86) but this is one man who doesn't know the meaning of retirement' is. He still prefers walking to his club.



Osbert D'Souza
Director

“I have always admired European and American manufacturers for quality. This prompted me to tie up with international critical component manufacturers. I firmly believe that different manufacturers specialize in different products; we need to use their resources, capability, infrastructure, R&D and integrate these parts with our products.

“As part of this initiative, we tied up with a Swiss company for sensors, a German company for hardware and are now negotiating with a US company for data-loggers and software.”



Oswin D'Souza
Director

“Every business is competitive. It is competition that keeps us on our toes else we might get complacent. It is competition that is making me envisage Osworld as an organization that should INVENT rather than INNOVATE. We need to believe in R&D and earmark at least 5 per cent of the turnover for R&D to be able to explore high-value products.

“I have great belief in the potential of Indian manufacturing vis-à-vis technological brilliance (hardware/software) provided we are able to channelize it properly.”

For more information refer to pages 106 to 111 of our corporate book

For full interviews refer to pages 6 to 25 of our corporate book

Clients: India

Alembic Pharmaceuticals Ltd.	Indoco Remedies Ltd.	Sandoz Private Ltd.
Alkem Laboratories Ltd.	Ipca laboratories Ltd.	Sanzyme Ltd.
Aurobindo Pharma Ltd.	Jubilant Biosys Ltd.	Saraca Laboratories Ltd.
Abbott Healthcare Pvt Ltd	Macleod Pharmaceuticals Ltd.	Sarvotam Healthcare Pvt. Ltd.
Amneal Pharmaceuticals	Maneesh Pharmaceuticals Ltd.	Silicon Life Sciences Pvt Ltd.
ACG Pharma Technology	Manipal Academy of Higher Education	Stanex Drugs and Chemicals Pvt. Ltd.
Akum Drugs Pharmaceuticals	Merck Specialities Pvt. Ltd.	Sun Pharmaceuticals Industries Ltd.
Bharat Biotech Ltd.	MSN Laboratories Ltd.	Themis Meidicare
Cadila Healthcare Ltd.	Mylax Laboratories Ltd.	Torrent Pharmaceuticals Ltd.
Cipla Ltd.	Nicholas Piramal Ltd.	Unichem Laboratories Ltd.
Concept Pharmaceuticals Ltd.	Orchid Chemicals & Pharmaceuticals Ltd.	US Vitamin Ltd.
Dr. Reddy's Laboratories Ltd.	Parle Agro Ltd.	Unilever Industries (P) Ltd.
Dr. Sabharwal's Wound Care	Pharmasolve Specialities India Pvt. Ltd.	Vasudha Pharma Chem Ltd.
E.I.Dupoint Ltd.	Pfizer Ltd.	Vet India Pharmaceuticals
Epsilon Laboratories Ltd.	Piramal Healthcare Ltd.	Virchow Biotech Ltd.
Fresenius Kabi Oncology Ltd.	Ranbaxy Laboratories Ltd.	Wallace Pharmaceuticals Ltd.
Glaxo Smithkline Ltd.	Raptakos Brett & Company Ltd.	Wochardt Ltd.
Glenmark Pharmaceuticals Ltd.	RCC Laboratories	Zenotech Laboratories Ltd.
GVK Biosciences Ltd.	Reliance Life Sciences Pvt. Ltd.	Zydus Cadila Ltd.
Haffkine Pharmaceuticals Ltd.	Richter Themis Ltd.	Zydus Healthcare Ltd.
Hetero Drugs	S. Kant Healthcare Ltd.	
Hindustan Unilever Ltd.		
Incozen Pharmaceuticals Pvt. Ltd.		

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OSWORLD[®]

Experiment With The Truth

Global Presence



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Factory:

8, Olympus Industrial Estate
Layout Road
Off Mahakali Caves Road
Andheri (E), Mumbai 400 093

Proposed factory:

R-15 / R-16
Shubham Industrial Park
Bhiwandi Vasai Road
Village Kalwar
Taluka Bhiwandi
Dist: Thane