



MAXIMUSTM



OZONARIUM
Washed by nature



Drizzle Jet *Eco-Flow*



There is no planet "B"

INTRODUCTION

Established in the year 1991, in New Delhi, India, "Pioneer has gained recognition as the noteworthy manufacturer and supplier of an assorted range of Laundry Equipment, Sustainable Garment processing machines and garment finishing machines. The national and international standards are followed throughout the engineering processes for fabricating machinery (an ISO 9001:2008 Certified Company). Our highly qualified professionals make optimum use of premium-grade raw materials with advanced tools and cutting-edge technology to manufacture this range. Optimum functionality, and high efficiency, corrosion resistance and longer service life are some of the remarkable features of our machines & equipment, we are known for heavy-duty machinery and top-notch after-sales services.

With the support of our modern product development activities, we also offer customized machinery with various technical specifications, to meet client's individual application requirements. Our state-of-the-art infrastructural base spreads over a large area of land encompassing various functional sub-units like engineering, manufacturing, quality control, warehousing & packaging, etc. These departments are installed with the most modern tools and advanced technology that empowers us to fulfil the bulk requirements of customers within assured time schedules of delivery. The allied processes of these departments are smoothly and systematically carried out under the management of our adroit workforce which holds immense knowledge in this domain.

We have recruited a squad of highly skilled and dedicated professionals, who utilize their experience to provide the highest level of satisfaction to the clients. They proficiently handle and control the installed equipment at our production unit, which results in bringing forth an immaculate product array. We are also backed by an adept team of quality analysts, who stringently test our entire output at all levels of production in order to ensure that it is free from all kinds of defects and discrepancies. "Sailing through success by tilting towards client satisfaction", our organization has achieved tremendous business growth in the industry.

With efficient logistics system, fast transportation facilities and wide distribution network, we are promptly delivering the ordered products at the client's end across any part of the nation. Under the visionary guidance and leadership of our mentor, Mr. Joginder Mahajan, we have witnessed the acme of success in the industry. His strong business insight and rich industry experience enable us to garner a huge base of contented client across the nation.



MAXIMUS™ SERIES WASHER



**1:2 - 1:3
LIQUOR
RATIO**



ECODRUM SYSTEM

70%
Less Water,
Chemicals,
Steam and
Waste water

20%
Less Dyes

50%
More
Loading
Allowance



**DRIZZLE JET
CHEMICAL
SPRAY
TECHNOLOGY**



**PIONEER ULTIMATE
CONTROL SYSTEM**
IOT 4.0 enabled
Inter-connected
plant & machinery
for better control &
monitoring



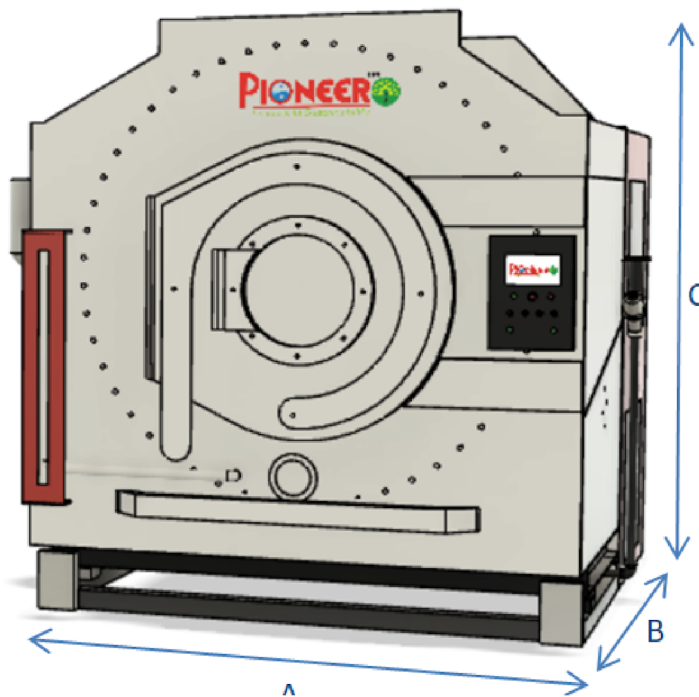
**PLC
CONTROLLED**
Touch
screen
panel



**RIBBED
INNER
DRUM**



**AUTOMATIC
WATER FLOW
METER**



Salient Features:

- Equipped with Pioneer's Drizzle water circulation system that ensures reduction of liquor ratio (upto 1:3) without use of any additional electrical pump.
- Very low consumption of water, chemicals and energy.
- The outer drum and inner basket fabricated out of high grade stainless steel
- Fitted with variable frequency drive, fully automatic water and steam inlet / outlet as standard.
- Equipped with tilting feature for easy unloading of garments, automatic flow control, jet spray system and microprocessor controller as add-ons.

PIONEER FRONT LOAD WASHING MACHINE SPECIFICATIONS:

MODEL	MAX-200	VX-280	MAX-320	MAX-400	MAX-520
Capacity (kgs)	200	280	320	400	520
Basket size (mm)	1524 X 1220	1730 X 1220	1830 X 1220	1830 X 1524	2032 X 1524
Cylinder Volume (ltr)	2222	2855	3230	4001	4939
Driver motor (kw)	7.5	11.25	15	18.75	25
Water connection	2" BSP	2" BSP	2" BSP	2" BSP	2" BSP
Drain (inches)	6	6	6	6	6
Steam Connection	1 BSP X 1"	0.75" BSP	1.5 BSP X 1"	1.5 BSP X 1"	1.5 BSP X 1"
Width (mm) (A)	1830	1930	2300	2300	2540
Depth (mm) (B)	2500	2340	2500	3500	3500
Height (mm) (C)	2450	2750	2500	2500	2640
Weight (mm)	3100	3500	5100	5800	7200



**ENGINEERED
ELECTRO POLISH
DRUM FOR
SPECIAL
APPLICATIONS
(Optional)**



**INTEGRATED
SPRAY
SYSTEM FOR
LR UPTO 1:1**



**PUMP-LESS
WATER
CIRCULATION
SYSTEM**



**MODULAR
AUTO-
MANUAL
BYPASS
CONTROL
SYSTEM**



**FORWARD
TILTING FOR
EASY
UNLOADING**



**BI-
DIRECTIONAL
ROTATION**



SAMPLING / FIRST BULK WASHER



PIONEER SAMPLING MACHINE SPECIFICATIONS:

Model -MAXIMUS GW SERIES	MAX-15 GW	MAX-30 GW	MAX-50 GW	MAX-120 GW
Inner Basket dimensions Diameter x Depth (mm)	740 x 510	920 x 610	920 x 760	1220 x 1220
Inner basket volume (lts)	231	400	500	1420
Motor	0.75 kw	1.5 KW	1.5 KW	3.75 KW
Water Inlet (inches)	2	2	2	2
Steam inlet (BSP inches)	1	1	1	1
Drain Size(inches)	2	2	3	4
Overall Dimension (wxdxh) (mm)	1050x1220x1670	1220 x 1370 x 1830	1220 x 1524 x 1830	1780 x 2023 x 2160
Net Weight (Kg)	600	650	750	1400
Control System	Fully Auto	Fully Auto	Fully Auto	Fully Auto

At Pioneer the only equation is:
Sustainable = Ecological + Ethical





FROBA SYSTEM



Eco-Flow CHEMICAL SPRAY SYSTEM

Drizzle Eco-flow



Following processes can be done:

- New generation enzymes and special washing alternatives
- Random bleaching alternatives
- Stonewash alternatives
- Silicon softening and dipping
- Water repellent
- Dye dirtying

It can be used with following chemicals:

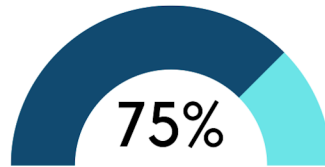
- Enzyme
- Potassium Permanganate
- Softener
- Silicone
- Coating
- Resin



ENZYME WASH



WATER
with DRIZZLE
saving upto 95%



CHEMICAL
with DRIZZLE
saving upto 75%



COATING & SOFTENING



Drizzle Eco-flow

Drizzle Jet *Eco-Flow*



NOZZLES SPRAYING
90% OF THE TIME



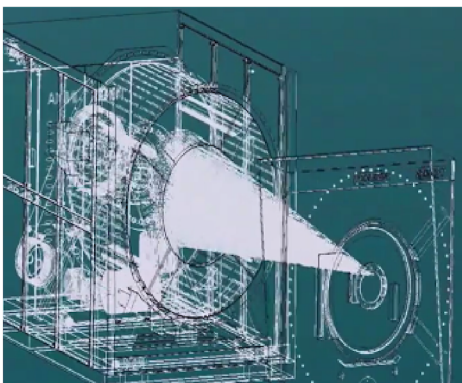
NOZZLES SPRAYING
50% OF THE TIME



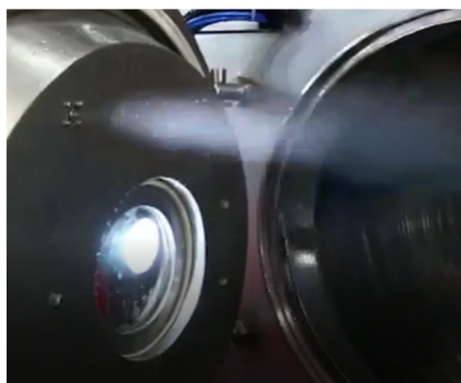
NOZZLES SPRAYING
25% OF THE TIME



Pioneer's proprietary ultra- precise flow-control



100% Uniform coverage



Ultra-fine Nebulisation



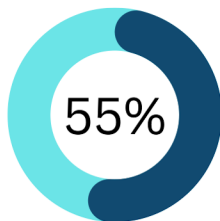
Zero Drippage

O₃ OZONARIUM
Washed by nature



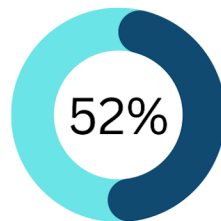
Salient Features:

- Remove back staining
- Ageing for true vintage looks
- Cleaning
- Bleaching
- Removal of Indigo stain
- Shade matching
- Eliminate need of PP spray
- Pigment look without pigments
- Black and grays fade naturally without turning brown.



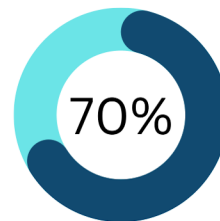
ENERGY

**With OZONARIUM
saving upto 55%**



WATER

**With OZONARIUM
saving upto 52%**

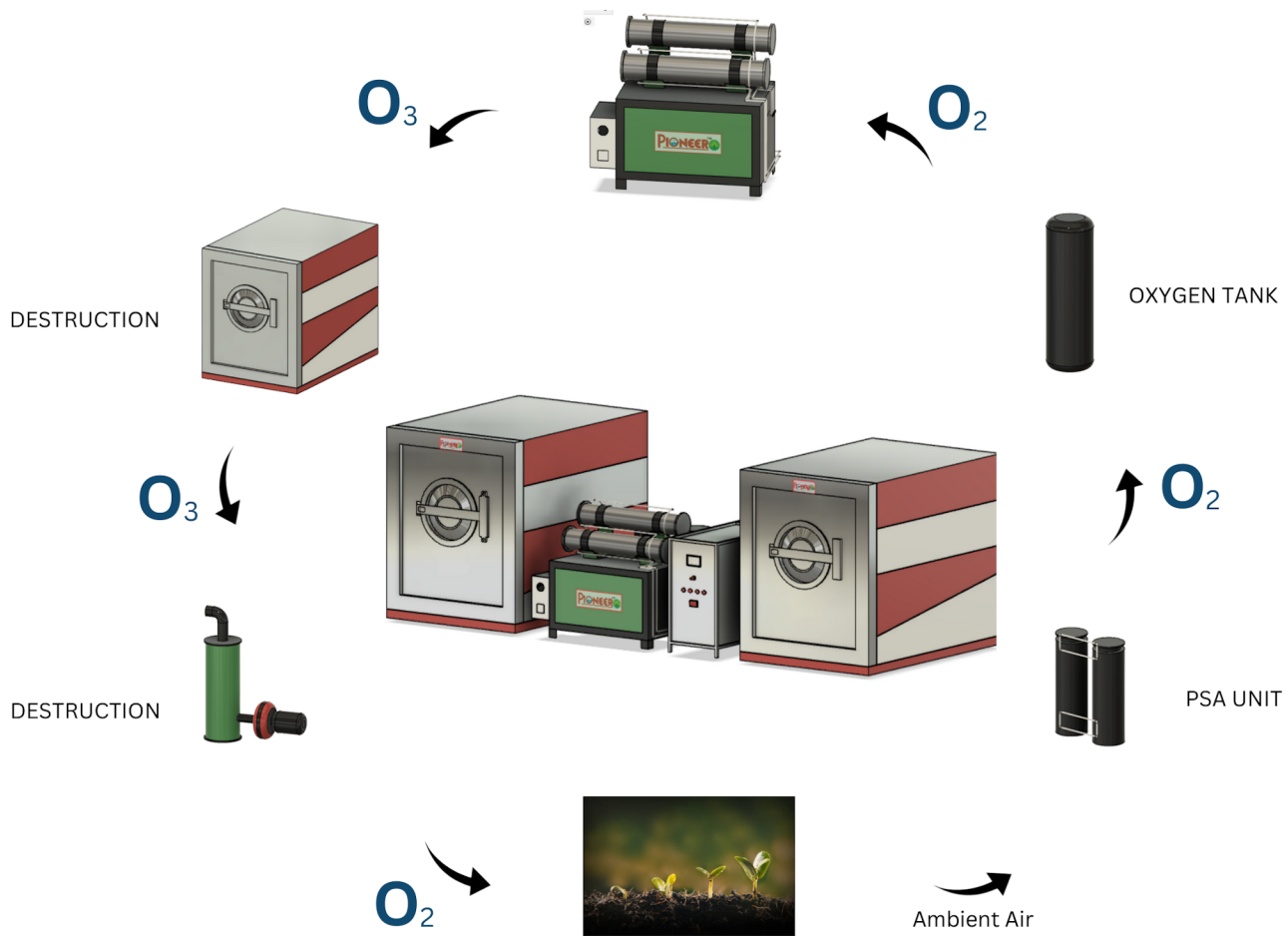


CHEMICAL

**With OZONARIUM
saving upto 70%**

How to save with PIONEER OZONARIUM

- Ageing effect, vintage look on garments, without water and chemicals
- Remove backstaining without chemicals and water.
- Bleaching without bleaching agent and minimum water.



In Conventional laundries, the Ageing, Bleaching, Anti-Backstaining, Desizing and similar processes imply huge burden on laundries for the costs of chemicals, water, energy and water treatment.

The Ozonarium (Washed by Nature) system minimises, and in some cases eliminates, the additional expenditure on chemicals and helps our customer fulfil their environmental and sustainability vows.



Unique Effects with authentic clean look



Sustainable Fashion without use of any chemicals;
 ZERO ABS, ZERO $KmNO_4$



Responsible room-temperature treatment with care for fibre



100% Repeatability controlled by technology





CHALLENGER SERIES TUMBLER DRYER

Tumble dryer is used to remove moisture from a load of clothing and other textiles, generally shortly after they are cleaned in a washing machine, heated air is circulated to evaporate the moisture from the load in a rotating drum.



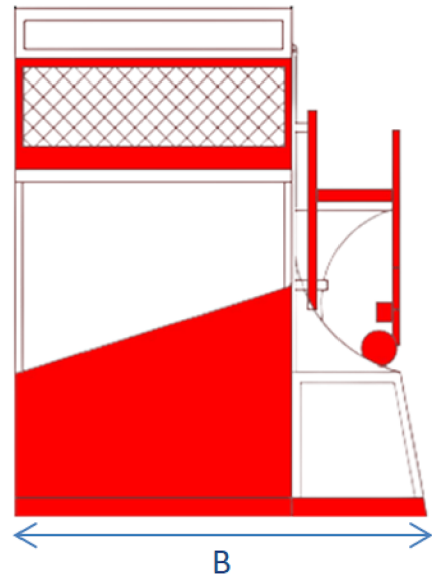
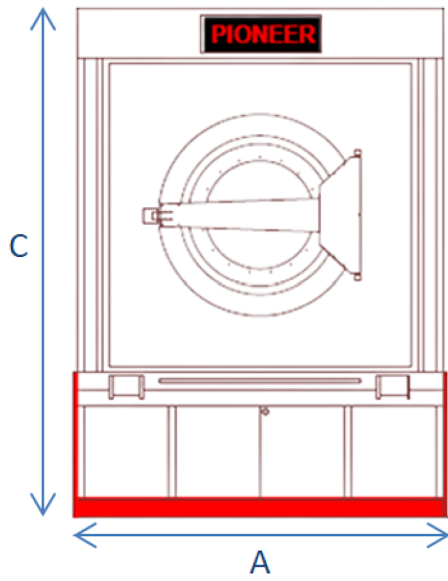
Salient Features:

- Pioneer's highly efficient drying machine specially designed for hosiery, dyeing industries, towel plants, denim processing industries, hotels and hospitals.
- Machine has automatic panel features like auto reverse, auto forward, automatic digital temp. indicator, auto stop.
- Heating system as desired steam/electric/diesel.
- Basket made of stainless steel 304 grade, outer body double wall insulated with glass wool, fitted with high power blowers of swift drying.

Pioneer also offers self tilting fully automatic tumble dryers with PLC control

PIONEER TUMBLE DRYER SPECIFICATIONS:

MODEL	PTD - 15	PTD - 30	PTD - 75	PTD - 120	PTD -200
Capacity (kgs)	15	30	75	120	200
Basket size (mm)	800 X 600	920 X 920	1220 X 1220	1524 X 1220	1830 X 1524
Driver motor (kw)	0.37	0.75	1.5	2.25	3.75
Blower Motor (kw)	0.37	0.75	1.5	1.5 (2 nos.)	2.75 (2 nos.)
Door Opening (mm)	500	650	800	1000	1050
Steam Connection	0.5" BSP	0.5" BSP	0.5" BSP	1" BSP	1" BSP
Steam Consumption	20 kg/hrs	40 kg/hrs	80 kg/hrs	150 kg/hrs	200 kg/hrs
Diesel Consumption (ltr/hrs)	N.A.	1.5-2	2.5-3.5	5.5-6.5	8-11
Electric (kw)	9	12	18	N.A.	N.A.
Width (mm) (A)	900	1050	1350	1750	2210
Depth (mm) (B)	1170	1460	1690	1900	2750
Height (mm) (C)	1740	1980	2300	2750	3250
Weight (mm)	350	550	950	2150	4150



INVERTER CONTROLLED

ALL HEATING MODES AVAILABLE

RIBBED INNER DRUM

AUTO TILTING FOR EASY UNLOADING

BI-DIRECTIONAL ROTATION

IOT 4.0 INTEGRATION
 Total plant control & monitoring

STEEL RADIATOR
 10 bar operating pressure

HUMIDITY CONTROLLED DRYING

COOL DOWN Cooling System
 Prevents wrinkles & hardening

PLC CONTROLLED
 Touch screen panel



CHEMICAL SPRAY CABIN



Zero-Smell Assurance

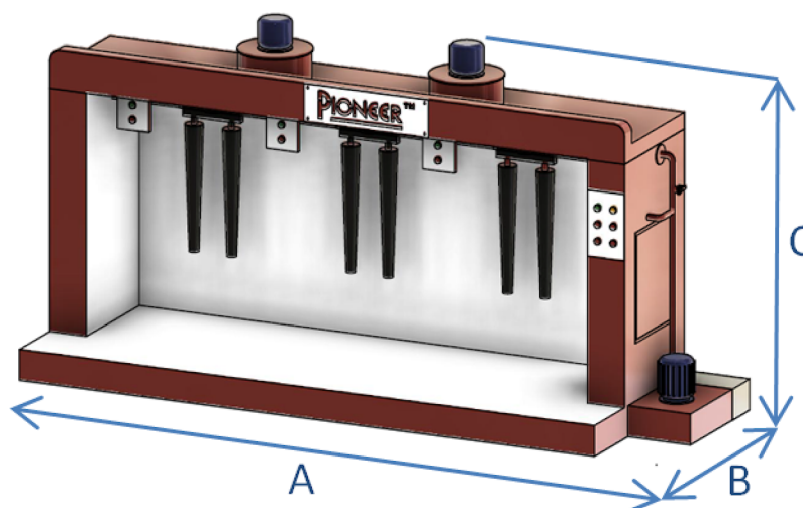


Spill-Proof Laminar
water flow



Trouble-Free Suction blower
& Pump

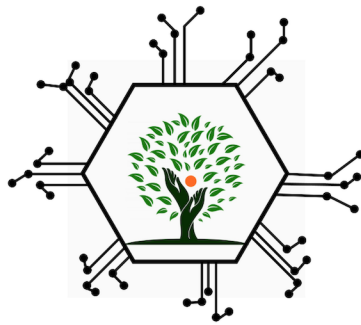
- **Best-in-class, maintenance-free Conveyor spray booths on demand**
- **Extremely Silent Suction blower operation**
- **Easy clean filtration system for choke-less application**
- **316L impeller blades of Suction pump**



TYPE OF CABIN	PSC-SAMPLE	PSC-2R	PSC-4R	PSC-6R
Width (mm) (A)	2455	3455	5555	7555
Depth (mm) (B)	1830	1830	1830	1830
Height (mm) (C)	3250	3250	3250	3250

PIONEERTM

Leaders In Sustainability



SUSTAINABILITY THROUGH SCIENCE

