

**TYPE: ProTouch DIGITAL AUTOMATIC POWDER SPRAY SYSTEM**

**SCOPE OF SUPPLY**

① ProTouch Digital Control Electronic & Pneumatic System having following modes : Digital KV and $\mu$ A display and control Digital Powder and Carrier Air display and control Auto Clean through pump User settable pre-set program	24 Sets
② Touch Screen Master Controller to Control upto 24 Auto guns	1 No
③ Integrated 100KV Ininiti™ Automatic Corona Gun (U.S. Patent No.5678770)	24 Nos.
④ Rack cabinets to house the ProTouch Control Electronic and Pneumatic Systems with inbuilt Power and Air Distribution	1 Set
⑤ Master Powder Hopper suitable for upto 24 powder pumps	1 No.
⑥ Powder Pumps (with Auto Clean Feature)	24 Nos.
⑦ ELECTROSMART Powder Hose and 1 box SMART BULLETS – The Ultra quick Colour change tool Set of Nozzles including Flat & Round Spray, Cables & Accessories for start up.	1 Set.

**PNEUMATIC DATA**

Maximum input pressure	7 bar
Optimum input pressure	6 bar
Maximum water vapour content in compressed air	1.3 g/Nm <sup>3</sup>
Maximum oil vapour content in compressed air	0.1 ppm
Maximum Compressed air consumption	13.2m <sup>3</sup> /hr per gun = 330 m <sup>3</sup> /hr

**ELECTRICAL DATA**

Single phase AC current, selectable voltages	220V or 230/110V
Frequency	50 / 60 Hz.
Connected loads	750W
Safety class	IP 54 (P43)
Temperature Range - 2 EC to 50 EC	
Nominal Input Voltage	12 V
Output Voltage	100 KVDC -ve
Nominal Output Current	100 micro amps.

**POWDER SPRAY CUM RECOVERY BOOTH WITH FILTER CARTRIDGE RECOVERY UNIT**  
**SCOPE OF SUPPLY**

Type	:	OXY 18000 ASP0 SP
1400 mm W x 300 mm H <b>MAIN BOOTH BODY</b>		
No. of Automatic Guns Suitable for: Exit & Entry Opening	:	Twenty Four (24 Nos)
Booth Body Construction	:	Powder Coated Steel construction
<b>CARTRIDGE FILTER RECOVERY SECTION</b>		
After Filter Cartridge unit construction		
No. of After Filter Cartridge units:Epoxy Coated Steel construction	:	One
No. of Filter Cartridges per Unit	:	25 Nos.
Filter Cartridge Size	:	Dia = 330 mm x Height =1000 mm.
Filter Cartridge Material	:	Polyester Fleece material for 99.999% Powder Recovery
Filter Cartridge Cleaning	:	Rotating wing for complete cleaning of Cartridge Filters
Interconnection Ducts	:	Duct between Booth to Recovery Module Epoxy Coated Steel Construction

**POWDER SPRAY CUM RECOVERY BOOTH WITH FILTER CARTRIDGE RECOVERY UNIT**  
**SCOPE OF SUPPLY-PER SET**

Type	:	OXY 18000 ASP0 SP
<b>BLOWER POWER CONSUMPTION</b>		
Blower Suction Fan	:	1 No – Foot Mounted.
Power Consumption	:	30 HP
Police Filter	:	Police Filter to be fitted with blower & motor to eliminate the exhaust duct.
Control Panel	:	With starter for blower & lighting system controls.
Electricals	:	All electricals of Siemens, L&T, ISI make.
Clear height required inside the Factory	:	Minimum 5000 mm

**FILTER CARTRIDGE SYSTEM**

**FILTER MEDIA:**

The Filter media is made of super fine polyester. This unique fibre composition with a smaller fibre diameter in the range of 2µm and pore diameters of 20 µm or less, means that most dust particles cannot penetrate into the depth of the material, thus eliminating blockages. The media offers a range of benefits including -

- ❖ Maximum levels of surface filtration.
- ❖ Outstanding separation behaviour.
- ❖ Extended service life.
- ❖ Much reduced pressure loss.
- ❖ Significant energy savings.

**ROTATING CLEANING SYSTEMS:**

Filter Cartridge Powder Recovery systems require that the filter cartridge be cleaned quickly and efficiently with our effecting the operation. Mitsuba offer state of the art rotating wing-cleaning mechanism. The rotating mechanism inside the cartridge will purge the air inside the cartridge. The localized purge of the air will dislodge the powder deposited on outer surface of the cartridge. Conventional retro-jet cleaning does not clean cartridge uniformly across the length of the cartridge. The rotating mechanism will ensure uniform cleaning of cartridge across the length of cartridge. Better cleaning of the cartridge assures higher collection of powder and longer life.

**CONSTRUCTION:**

The entire recovery system body is fabricated out of CRCA sheets which are powder coated / epoxy coated. The system shall have a outlet point at the bottom for attaching a automatic sieving system / powder transfer system to the main powder hopper.

**BULK POWDER MANAGEMENT SYSTEM**  
**(AUTOMATIC POWDER RECIRCULATION SYSTEM**  
**WITH PROPORTIONAL FRESH POWDER FEED BULK SYSTEM)**  
**SCOPE OF SUPPLY**

1	Bulk Powder Management System Cabinet	1 Set
2	Re-Feeder unit suction adaptor	1 No.
3	Dense Flow Recirculation Pump	2 Nos.
4	New High efficiency Sieve Machine new model with motor.	1 No.
5	Magnetic Separator	1 No
6	Master Powder Feed Hopper stainless steel (incorporated with Auto gun system)	-----
7	Fresh Powder Bin	1 No
8	Control Panel & all other accessories	1 No.
9	Complete set of Cables, Hoses & Accessories for start up.	1 Set.

**PNEUMATIC DATA**

Maximum input pressure	7 bar
Optimum input pressure	6 bar
Maximum water vapour content in compressed air	1.3 g/Nm <sup>3</sup>
Maximum oil vapour content in compressed air	0.1 ppm
Maximum Compressed air consumption	26m <sup>3</sup> / hr – Approx 16cfm

**ELECTRICAL DATA**

Single phase AC current, selectable voltages	220V or 230/110V
Frequency	50 / 60 Hz.
Connected loads	3500VA
Safety class	IP 54 (P43)
Temperature Range	-2 EC to +50 EC