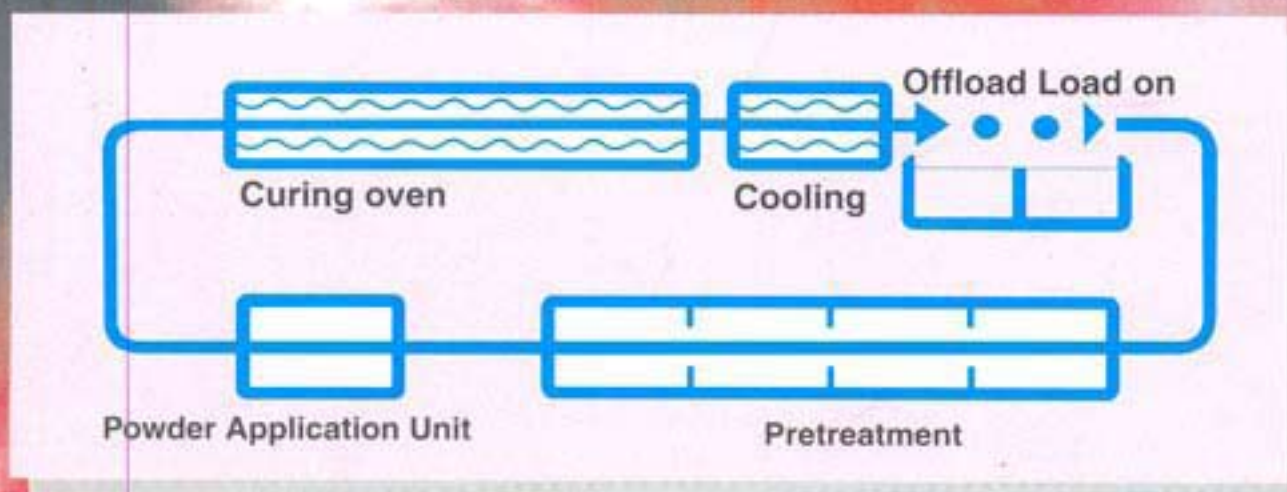
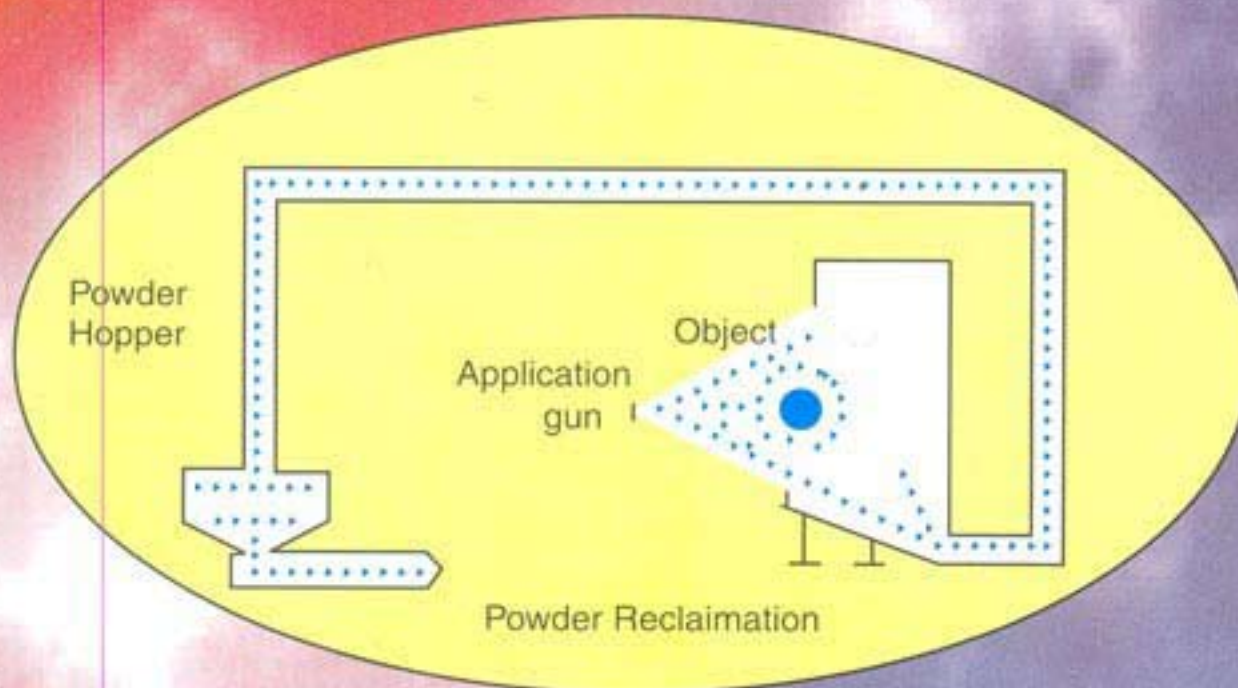


DIPOLE

ELECTROSTATIC POWDER COATING SYSTEM



System is suitable for all kind of electrostatic powder coatings Tube Shaped Objects, Cycle/Automobile Parts, Garden Equipment, House-hold Appliances, Furniture, Sanitary Fittings, Steel and aluminium sections, metal work parts, articles made of wire and perforations. It is remarkably efficient for all type of powders Epoxy, Epoxy polyester, polyurethane etc. Equipment is simple, rugged & maintenance free.



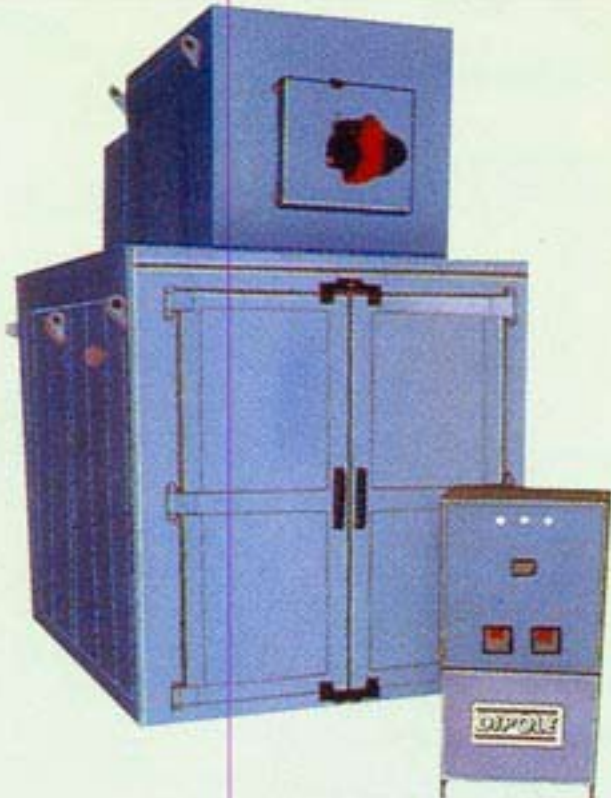
Following Equipments are required :

1. Air Compressor : to deliver continuous compressed air to the process.
2. Oil and Moisture Separator : to remove contaminants from Compressed air before feeding it to the process.
3. Pre-treatment System : for degreasing and surface preparation of the workpieces prior to coating operation.
4. Powder Spray Gun AS 510
5. Powder Spray Booth Cum Recovery System : for recovery and subsequent reuse of over sprayed powder. The recovery system may be Cyclone or Filter-cartridge.
6. Curing Oven : normally operating between 180°C to 220°C . This may be electrical or oil fired.

OVENS

ELECTRIC OR OIL FIRED

- ★ Welded or modular construction
- ★ High standard of Insulation to eliminate heat losses.
- ★ Electrical control console fitted with temperature indicator & controller to monitor process temperature.
- ★ Available in front loader, funnel type, over-head conveyor or camel back conveyor type.



Oil Fired Batch Type oven



Batch Type Electrical oven



Oil Fired Conveyrised oven

DIPOLE POWDER SPRAY SYSTEM AS 510



Unit Comparies of :

- (i) Powder spray gun, Dipole superb -1 No.
- (ii) High voltage generator with powder output and velocity controller -1 No.
- (iii) Powder Hopper -1 No.

Powder spray gun is used to give directional dispersed powder cloud. High voltage generator gives app. 30-90 KV DC output. Compressed air flowing from below the fluid tile of the hopper, fluidises powder in the hopper.

When unit is properly connected to an air compressor and the gun is triggered, the fluidised powder inside the barrel of the gun is charged and is sprayed out. fine and coarse controls to get varied powder/Air mixture are provided to get optimum results. Short circuit current is limited to less than 100 micro amps to eliminate danger to the operator.

TECHNICAL DATA

- 1. Power Output : 30 KG/Hr. Nominal
: at 5 bar pressure.
- 2. Max. Air pressure : 7.5 bar
- 3. Operating Pressure : 5.0 bar
- 4. Supply voltage : 220/240 volts AC
1ph. 50 Hz.
- 5. Power consumption : 50 VA.
- 6. Hopper capacity : 15 Kg.
- 7. Length of H.V. cable
& powder hose : 5 Mts.
- 8. Spray pattern : Variable to suit work

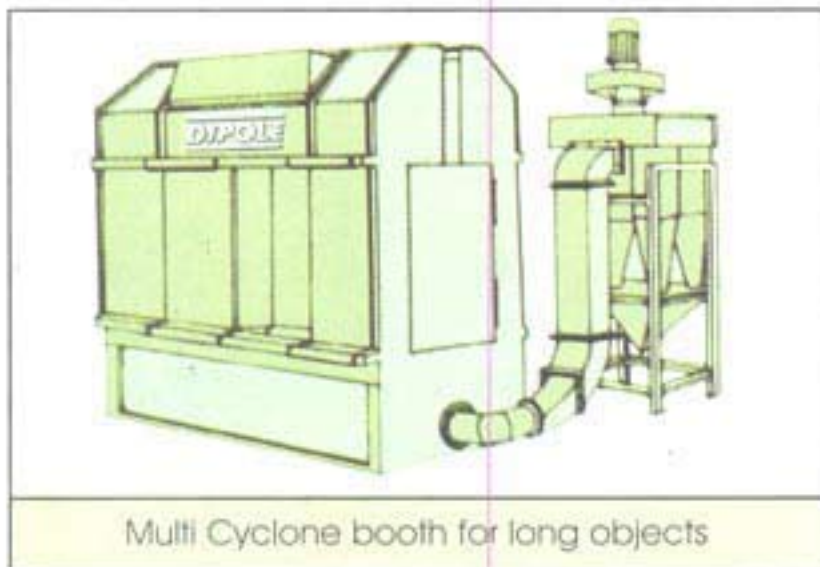
Special Features :

- 1) Best charging is ensured by a set of electrodes fitted inside the nozzle, giving the highest charging efficiency.
- ii) Modular construction for easy repairs and maintenance in rare cases of break-down.
- iii) Set of deflectors/pattern, setter to keep the charging edge clean.

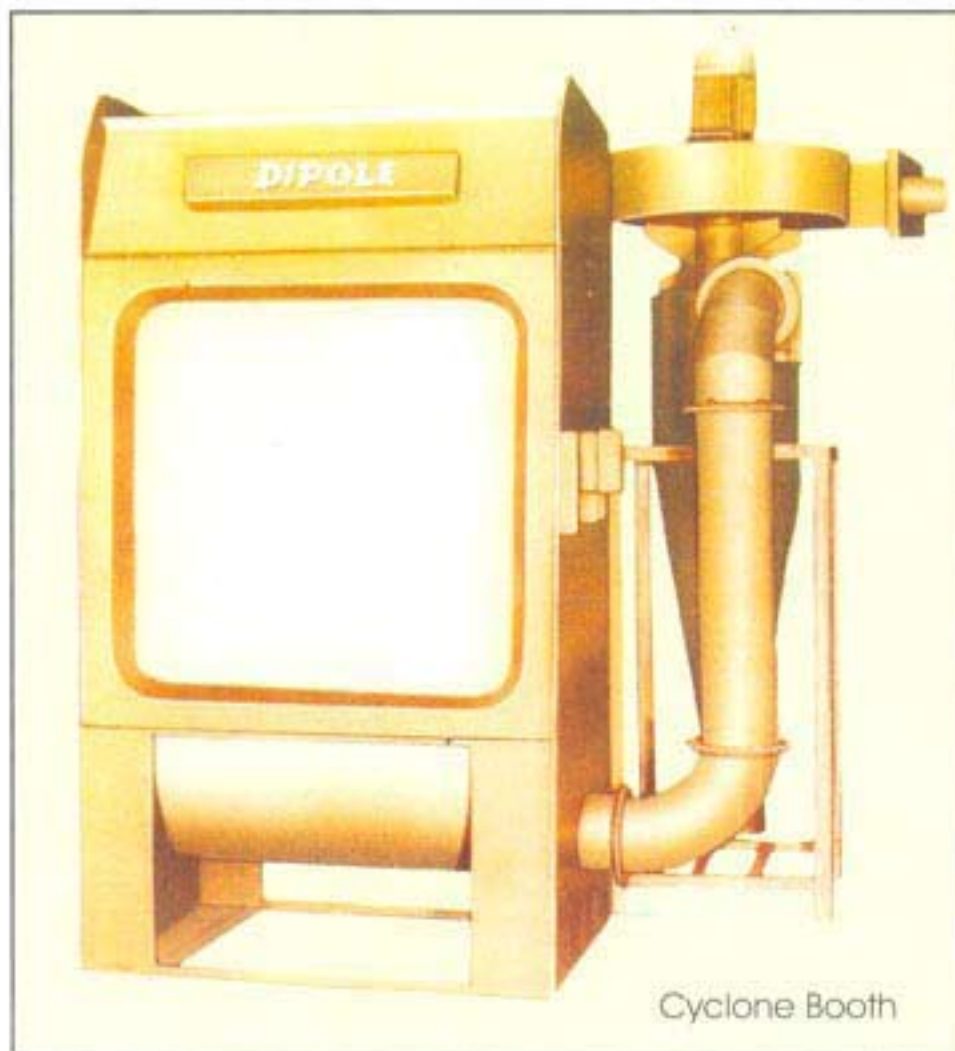
CYCLONE POWDER COATING BOOTH

PURPOSE OF SPRAY BOOTH IS ;

- To provide clean air at the operator's breathing level
- To collect over spray and to exhaust clean air.
- To treat overspray in such a way that it can be reused after sieving
- To eliminate risk of fire

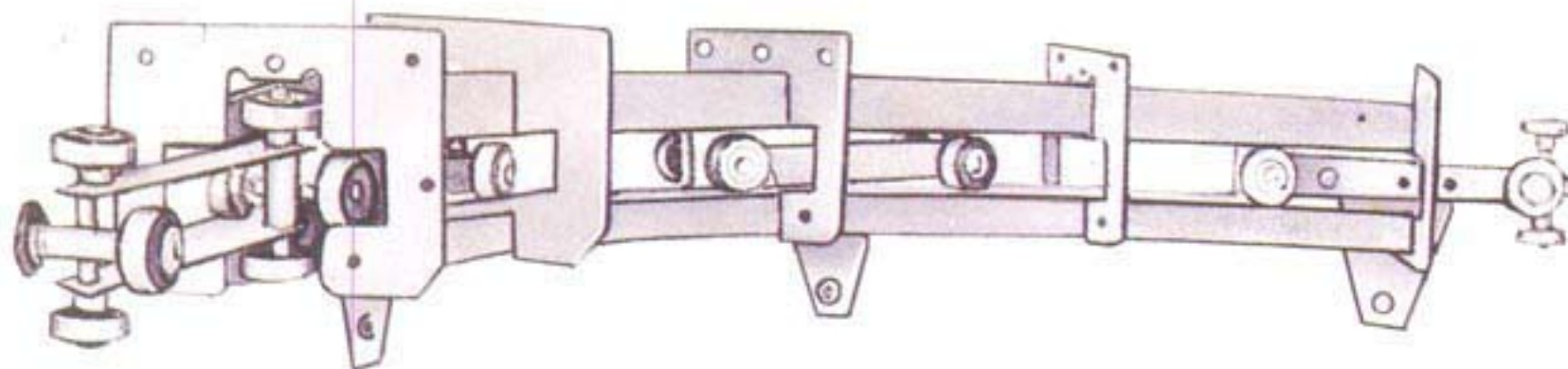


Multi Cyclone booth for long objects



Cyclone Booth

DIPOLE 4 TRACK, 4 WHEEL OVERHEAD CONVEYOR



- ★ Can be operated in both backward and forward direction.
- ★ Horizontal turns are available in 15 deg, 30 deg, 45 deg, 60 deg and 90 deg.
- ★ Vertical turn are available in 30 deg, 45 deg and 60 deg.
- ★ System comprises of biplaner chain having two load bearing wheels and two guide wheels which move smoothly in conveyor track taking horizontal and vertical turn with equal ease. Drive is provided by a spocket type drive wheel directly connected to the worm reduction unit which is driven by a motor. A tension unit is provided for the take-up and tension of the unit.