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CEDIT CONE DRYING MACHINE



Technical Specifications:

Machine Type	: Cedit Cone Dryer Cabin
Types of yarns	: Wool, cotton, acrylic, viscone, polyester, mixed yarns and etc
Capacity	: 500 cone / shift -- It is possible to run the system for low capacities
System temperature	: ~ 120 °C (Possible setting different temperatures)
Heating type	: With Steam
Steam consumption	: ~200 kgs/h
Isolation	: All surfaces will be isolated for heat and energy loss.
HT Protection	: Included
Programming System	: Included
Speed Control	: By Inverter



Machine Description:

- Cedit Bobbin and package dryer system have low energy consumption and high efficiency on wool, cotton, acrylic, viscose, polyester, mixed yarns and packages. The system provides the hot air flow inside the material with softly. By the way it prevents the defects of high pressure. After drying process, the result is uniform dryness and perfect conditioned material.
- In Cedit package dryers, main parameter is arranging air pressure / flow. This system is supplied by automatically adjustable lock system. Dryer arranges this parameter during drying process and makes adaptation to material density.
- The air is supplied from out by means of special designed filters without dust and humidity. By means of these special filters, the result of drying process is perfect without light shadows on materials.
- Cedit Drying Systems are developed by the new technology and during all drying parameters such as color, temperature, speed and etc. System uses minimum energy and maximum thermal performance.
- The covers of the cabin are controlled by motor; they opened vertically for occupying fewer places in plant.



Fan:

- % 99,99 perfect fruitful, special designed filters, for suction air from out.
- Cedit special designed speed and flow air circulation fan

Heat Exchanger:

There is one set flanged connected, seamless pipe, thermal exchanger on system. Exchangers have pneumatic steam valves those are controlled by control device.

Carriers:

- 1 pcs in machine, 1 pcs out as spare carrier will be given for the system, stainless steel material made.
- The carriers have movable wheel for easy carrying.
- The carries have lock apparatus after loading.
- The carriers will be designed and manufactured according to customer's cone dimensions.



Cover and Lock System:

- The covers of the cabin are controlled automatically; they opened vertically for occupying fewer places in plant.
- Control of the cover system on control panel by buttons. There are safety switches.
- Cover movement supplied by gear box on drying unit.

Humidity Control System:

The humidity on cabin is set by programmer. There is an automatic flap system on exhaust chimney. The air with humidity discharged when needed from exhaust chimney..

Command Panel:

Electro pneumatic control panel have:

- Power control devices with magnet-thermic circuits.
- Low voltage axillary elements
- Electro valves and pneumatic control apparatus
- Main body is stainless steel material made.
- Ventilation in command panel
- Process control and buttons, signal lamps, summery view

Microprocessor Temperature Programmer:

During drying process, programmer arranges the schedule of temperature according to time. This programmer controls the heating process according to program. The system consists of pneumatic inlet valve.

