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## CENTRALIZED FILTERING STATION





### **Automatic Filtering system.**

Our long experience in the field of suction of dust, waste and fabric clippings from different types of processing machines has led us to develop a **new automatic filtering and cleaning system with significant advantages both from the automation and efficiency points of view.** It consists of a monobloc unit optionally fitted in galvanised sheet iron panels containing a pre-filtering system for fibre separation and a drum filter to collect the particles. Because of the action of the unique automatic cleaning systems the efficiency of the unit is guaranteed. The clean air can either be recycled directly in the room or expelled externally. It is possible either to connect the unit with the air conditioning system or alternatively to have an independent system with preheating and/or humidification of the air. The separated dust particles can either be released without air pressure via a condenser - compactor located on top of containers or on bale presses. It can also be conveyed to a pneumatic bagging machine which compacts into bags "type Australia." The section can either be centralised, via one fan only, or subdivided into individual sections for each machine or for different lines utilising more fans and taking into consideration the possible utilisation of existing plants.

**Fabric finishing departments suction from shearing machines, raising machines and singeing machines.**

### **Fibre blending departments for woollen and semi worsted spinning:**

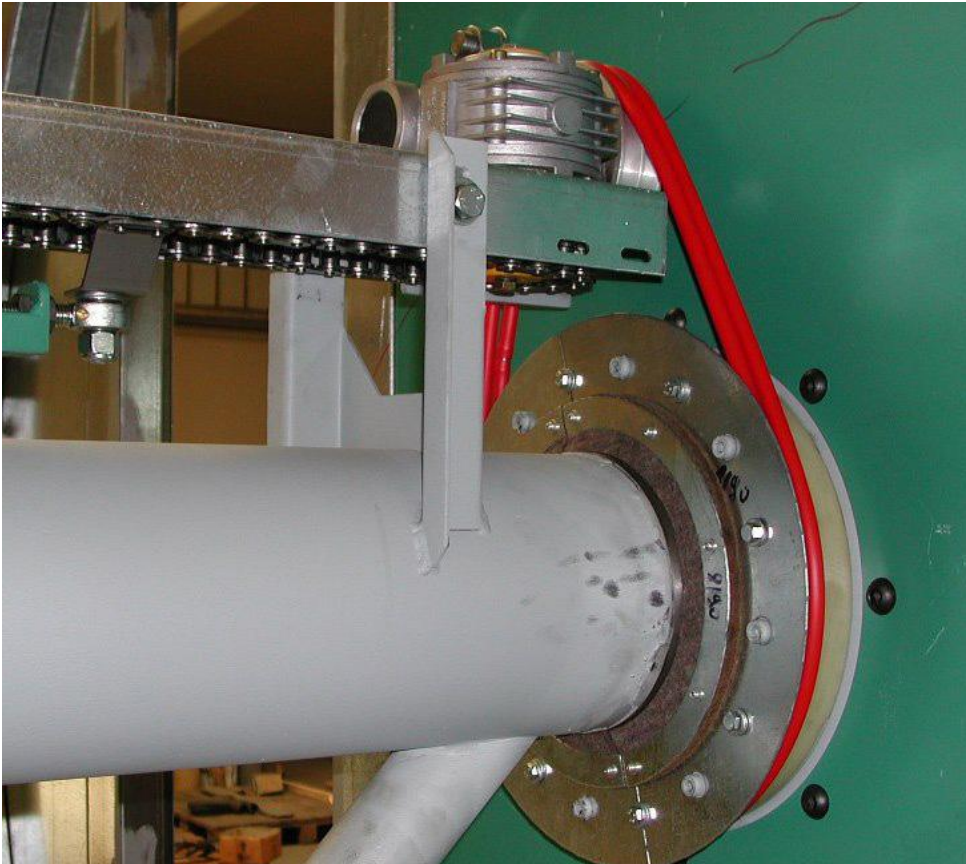
suction from condensers, storage bins, beaters, carding willows and bale openers etc.

### **Rag tearing**

Energy saving centralised suction from tearing machines with can also be fed direct from rag feeding and packing plants.



# AUTOMATIC FILTERING SYSTEM



## **O.E. Spinning**

Connection with suction lines from flat cards. Suction from hopper feeder silos, condensers for feeding flat cards and recycling of raw materials, beaters, cleaners etc.

## **Non-wovens**

Suction for dust suppression on cards, fibre preparation machines, condensers etc.

## **Combing mills**

Suction of noils and carding wastes.

**New special applications to other sectors with feasibility studies according to your own requirements.**





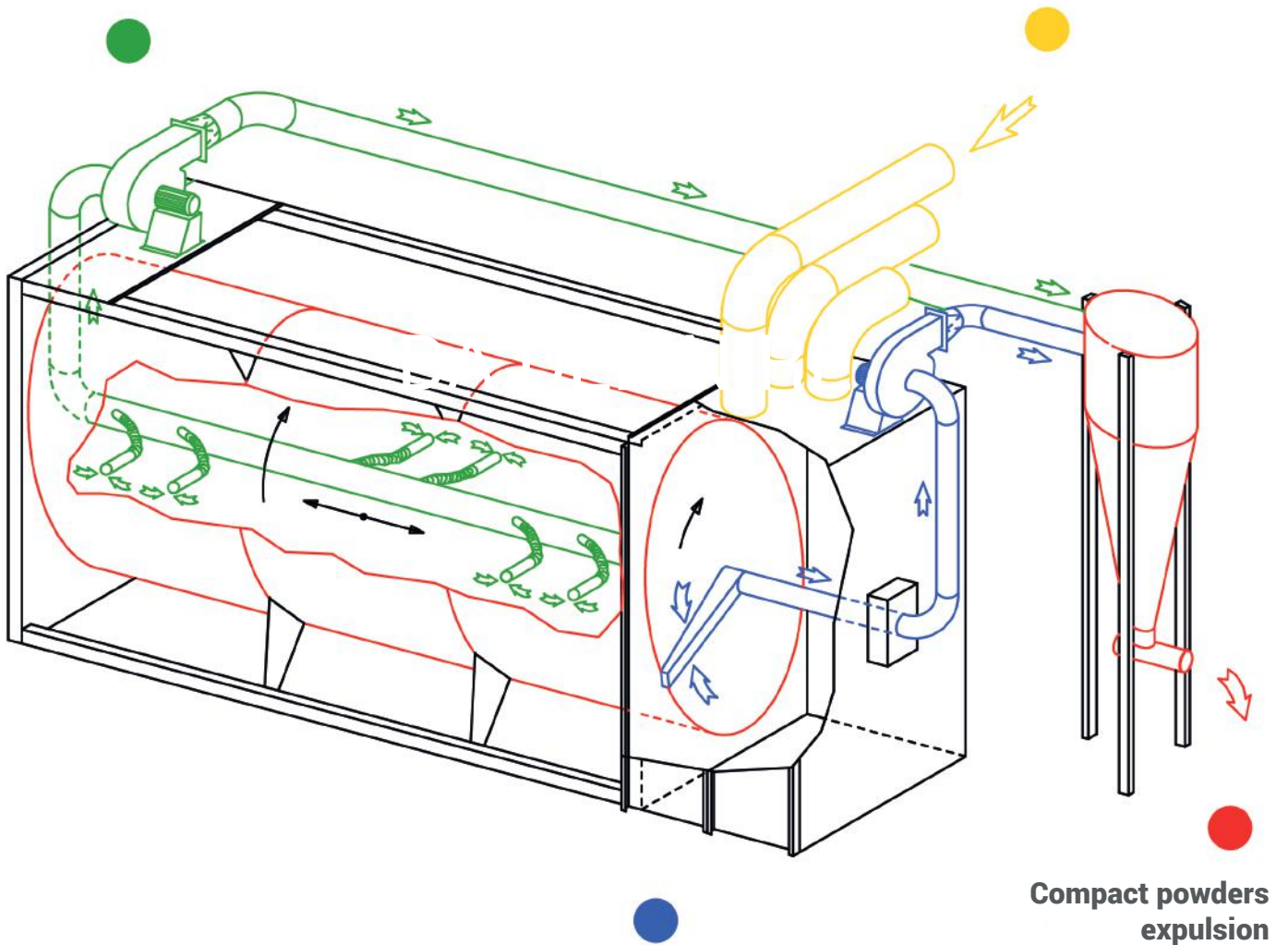
## CARATTERISTICHE FILTRI A TAMBURO

Ø Prefiltro	Dimensioni filtro	Superficie filtranteP	ortata consigliata	Velocità filtrazione
mm	Ø x 1 mm	m <sup>2</sup>	m <sup>2</sup> / h	m / 1"
2000	2000 x 3000	18,84	25 / 30.000	0,368 / 0,442
2500	2500 x 3000	23,55	30 / 38.000	0,353 / 0,448
2500	2500 x 4500	35,32	50 / 60.000	0,393 / 0,471
2800	2800 x 4500	39,56	60 / 70.000	0,421 / 0,491
2800	2800 x 6000	52,75	80 / 90.000	0,421 / 0,473
3000	3000 x 4500	42,39	70 / 80.000	0,450 / 0,520
3000	3000 x 6000	56,52	90 / 100.000	0,440 / 0,490

## COURSE MATERIAL INSIDE FILTER SELF-CLEANING

**Suction of dust deposits** from fixed woven media and sent to the compactor cyclone

**Polluted air inlet**



**Suction of dust deposits on nylon net** and sending the compactor cyclone

**Compact powders  
expulsion**

