



EXPERIENCE EXCEPTIONAL EXCELLENCE

We believe when you excel, we excel.

ENHANCE PERFORMANCE ► INCREASE PRODUCTIVITY ► MAXIMIZE PROFITABILITY



In the textile industry, performance is determined by optimum time usage, efficiency, output, and functioning of key operations, such as waste disposal methods and processes.

VXL Systems brings together effective waste disposal machinery to enhance performance, deliver productivity, and surpass expectations. Innovatively designed to meet the industry's high demands, the equipments of VXL Systems are flexible and versatile piece of machinery that ensures total filtration.

VXL Systems was established in the year 1990. The sophisticated engineering behind the technologically advanced waste collection systems for blow room, cards, combers and ring frames, created new benchmarks in the industry.

With 25 years of experience, VXL Systems has become the most sought after brand for waste collection systems in India and across the globe.



► Sheet metal enclosed type primary and secondary filter with centrifugal fan arrangement

Primary and secondary filters are used for continuous waste collection systems for Blowroom and Cards which occupies less space. The capacity of machineries from VXL Systems range from 30,000 CMH to 1,20,000 CMH.

The primary waste is collected in a fibre compactor / fibre separator compactor through a ventilator and the secondary dust is discharged through a microdust compactor.

The required suction in the system is created by the **Ultra high efficiency centrifugal fans**. The filtered air from the centrifugal fan is taken either for recirculation or exhaust. VXL Systems also offers filters in civil construction.



Sheet metal enclosed type primary and secondary filter with centrifugal fan arrangement



CWCS for TC 5-3 cards

► Primary Filter

The filter has a continuously rotating disc made with stainless steel mesh for **longer life** and **fire resistance**. It filters the coarse particles / fibres from the incoming air with high concentration of dust discharged by Blowroom and Carding machines.

The inlet air, addressed to the lower side of housing crosses filter screen, depositing on it coarse particles / fibres. The particles thus deposited on the disc is sucked through a radial nozzle and ejected in a compactor.



Primary Filter

► Secondary Filter

The fine dust passing through the primary filter is passed on to the secondary filter for further filtration process. The air passed from inside-out in contrast to filters of contemporary class. A set of rotating and traversing suction nozzles are located inside the drum to continuously remove the microdust from the filter media.

The whole system has been designed aerodynamically to enhance its performance. Other features include a sturdy gearbox.



Secondary Filter

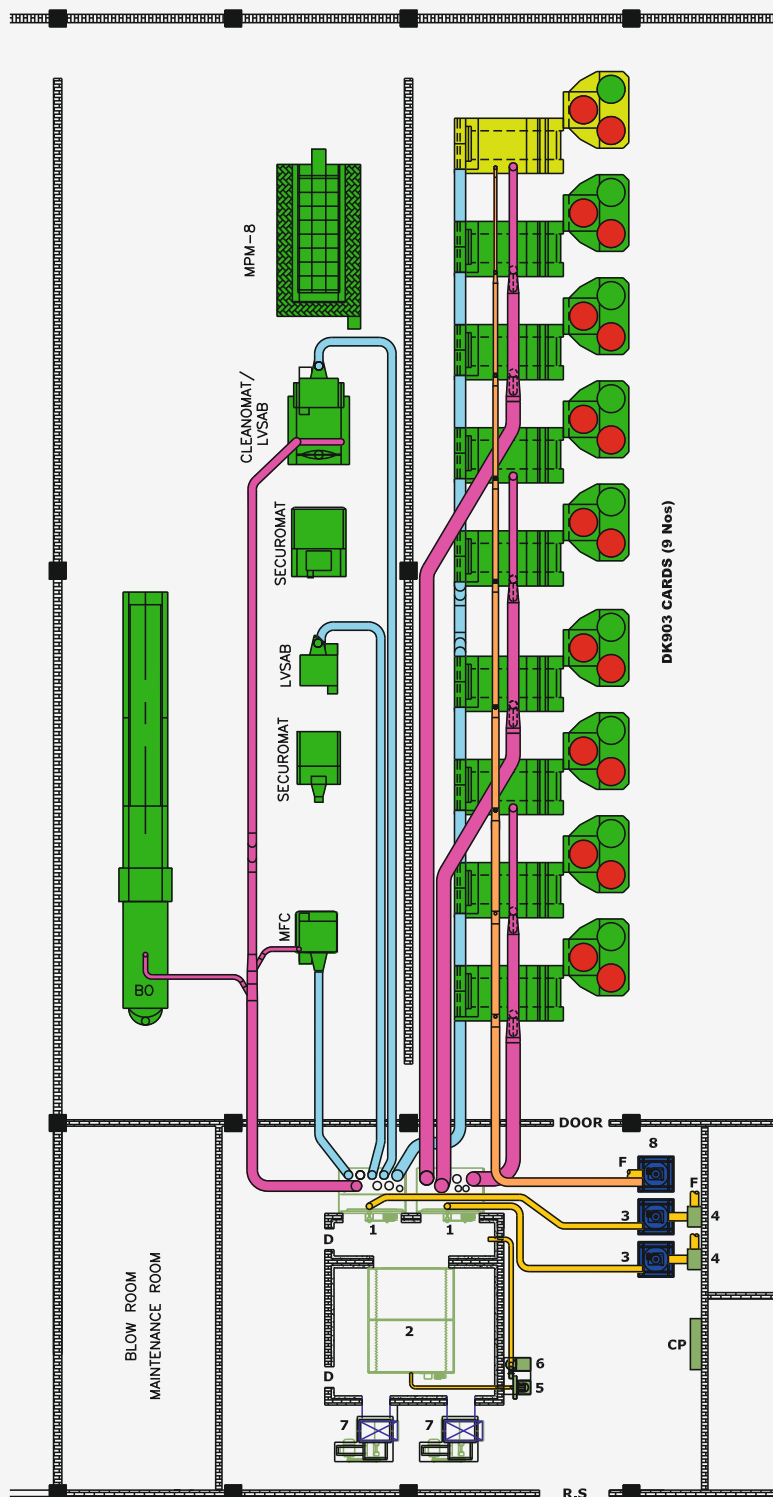
► Ultra High Efficiency Centrifugal Fan



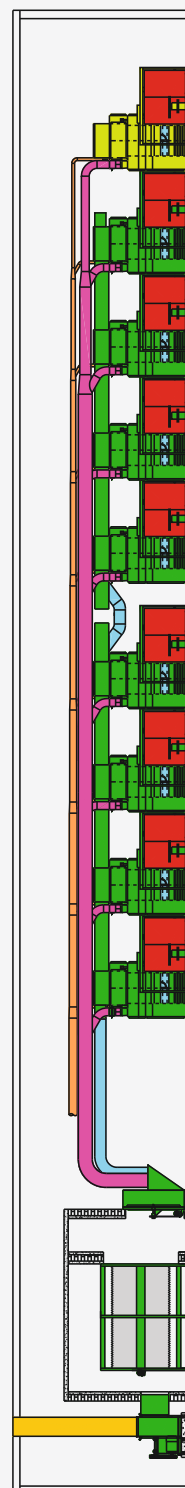
- ▲ VXL's new generation centrifugal fans are highly energy efficient.
- ▲ Existing systems can also be upgraded.

Advantages of VXL filters have over contemporaries

- ▲ Saves space due to integrated construction.
- ▲ Better performance due to minimised pressure loss.
- ▲ Drive easily accessible from clean air side.
- ▲ Waste is disposed off in a compact form.
- ▲ Smaller moving masses in comparison to rotating filter drum.
- ▲ Optimum usage of fans ensures complete cleanliness.
- ▲ Hassle-free since secondary fabric drum has an in-built cleaning mechanism by which the fabric is cleaned continuously.
- ▲ Totally cost-effective.



CONTINUOUS WASTE COLLECTION SYSTEM FOR CARDS & BLOWROOM (IN CIVIL CONSTRUCTION)



- Dust Exhaust
- Flatstrips waste (Continuous)
- Blowroom waste & Card waste other than flats (Continuous)

► Centralized comber waste collection system

The system uses a specially designed fibre separator compactor and high efficiency ventilator arrangement. Different capacities of fibre separator compactors are available to handle up to 7 combers.

The outlet air from the system is connected to the departmental rotary filter and if required we can also provide a secondary filter to handle this air. Multiple systems are offered for more number of combers.



Centralized comber waste collection system



Advantages

- ▲ This highly versatile system occupies less space and power.
- ▲ It can be easily connected to any brand of centralized combers.
- ▲ It does not require an additional compactor.

► Automatic waste collection system for ring frame pneumafil waste

The Ring Frame pneumafil waste from each machine will be sucked sequentially through a Ventilator and collected in the Fibre Compactor.

The outlet air from the Ventilator is further let into the departmental Rotary Filter



AWCS for ring frame

Special Features

- ▲ These type of Systems are supplied for **LMW, RIETER, KTTM and ZINSER** Ring frames.
- ▲ **Maintenance free** pneumatically operated shutoff valves are used.
- ▲ A dedicated **PLC system** is used.
- ▲ **Count Wise waste segregation** is possible.
- ▲ **Customized waste suction attachments** for all types of ring frames are offered.



AWCS for K43 - Ring frames for rieter



AWCS for LR 6A - Ring frames for LMW

► Autobaling system with feed cum storage conveyor



Autobaling system with feed cum storage conveyor



Unique waste transport system to carry waste from various locations to a central baling station.

Special Features

- ▲ Trouble free operation using PLC based control system.
- ▲ Requires less building height.
- ▲ Customized bale weights can be offered.
- ▲ User-friendly operating system.

► Autobaling with Silo system



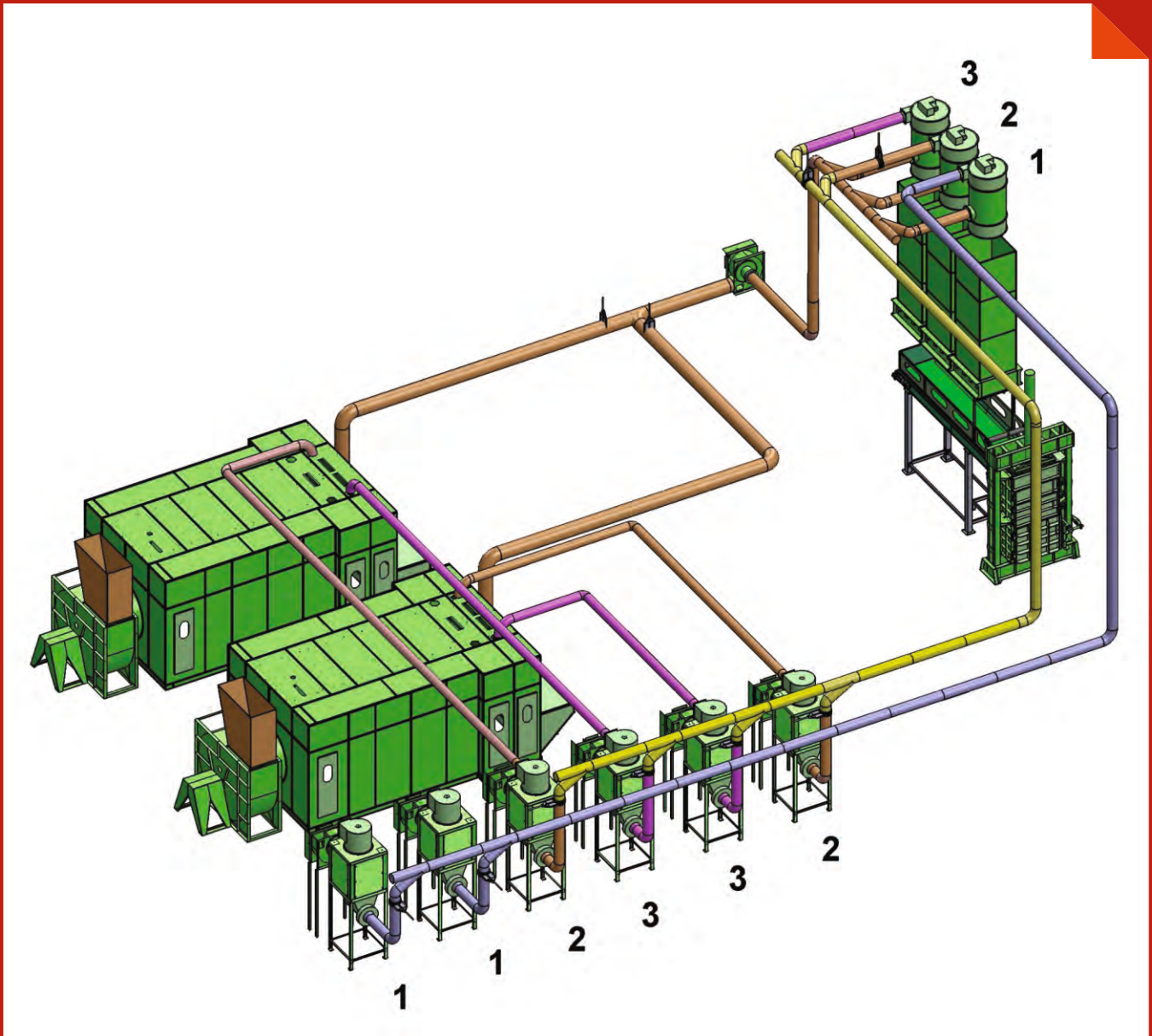
Autobaling with Silo system



Unique waste transport system to carry waste from various locations to a central baling station.

► Complete solution for waste handling including autobaling

- ▲ Centralized baling station for a group of spinning units located in a campus.
- ▲ The waste from various spinning units will be transported to the central station by VXL's Innovative concepts.



1. Comber noils
2. Lickerin - blowroom droppings
3. Flatstrips waste

VXL SYSTEMS

59, SIDCO Industrial Estate, Coimbatore - 641 021.

Telefax: 0422-2672874, 2673897, 2675637

e-mail : vxlcbe@gmail.com

web : www.vxlsystems.in