

FibreScan is a simple and reliable system for removal of colour PP contaminants in cotton Blowroom lines.

Multiple miniature camera array sensors interlaced with advanced technology are at the core of FibreScan.

- \* DIPT (Digital Image Processing Technology)
- \* PMAC (Pixel Mapping Across Camera Sensors)

- Day light for Colour Scanning

DIPT, PMAC in combination enhance the effectiveness of the equipment and provide the best efficiency among this technology machines in the world.

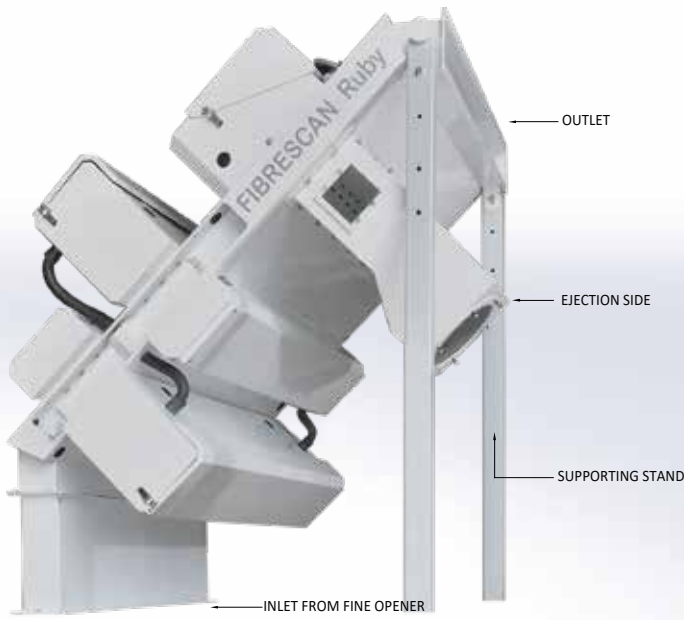
## Features:

- \* Better visibility  
Closer the distance from the opening unit ,small cotton tufts,evenly spread and ensure no contamination can be hide behind the cotton.
- \* Improvement in uv lighting  
Camera detection in alternate position
- \* Minimum space requirement  
Designed in the way without inlet and outlet delivery ducts
- \* Compact machine  
Low maintenance and user friendly operating with highest efficiency

Foreign Fibre Control Chamber



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- \* Bottom up flow design
- \* To reduce ejection per gram and low white waste %
- \* Multi-Camera Sensor one for every 65mm of duct width.
- \* DIPT - Digital Image Processing Technology for optimum detection of Contaminants.
- \* Very low clean cotton ejections typically 0.3% for 30 Ejections/Min.
- \* Hybrid Embedded Controller enhances reliability.
- \* Easy to clean and Maintain, No PC Needed.

## Technical Specifications

Description	FibreScan Sapphire - Colour
Sensing Technology	Multiple Tech with Daylight Camera Array Sensing
Processing	Embedded Controller with DIPT – Digital Image Processing Technology PMAC – Pixel Mapping Across Camera Sensor Array
Type and No of Cameras	Multiple Camera Array Sensors - 32 Nos MonoChrome Daylight Camera Array Sensor
Resolution	2048*1 with 128 pixels for each camera
Camera scanning speed (LPS)	upto 12000 LPS for Camera Sensor Array
Production Capacity	800 Kgs /Hour
Throughput Duct size	1040 * 100 mm
Size of Machine	1260 x 1095 mm, Height will vary depends upon the blowroom layout
No of Ejection Value	26 Nos
Ejection Waste %	Below 0.3 % - 0.5 % Maximum 30 Ejection / Min
Sensitivity setting	On Area, Vertical, Horizontal Sizes & Size Wise Color selection Settings
Diagnostics	Camera Sensor, Ejection Valve, Lighting Hours, Intensity and - colour Performance graphs
Display Features	Comprehensive for Camera Array Sensor
Tube Light Nos and Wattage	8 Nos (4*2 - 54 Watts) fluorescent day light
Control System	Dedicated Embedded controller
Operator Interface	HMI and Console on Mc
Power consumption	1 Kw + Fan
Power	415 Volts 3 Phase 50 Hz
Ejected material Collection	AEMCH – Applied Ejected Material Collection Hanger – Optional
Booster Fan for Ejected Material	Booster Fan based on Feed Machine Specs
Ejected Cotton Grams/ Ejection	0.5 Grams / Ejection after Fine Cleaner 0.9 Grams / Ejection after coarse Cleaner
Compressed Air Requirements	3 CFM based on 40 Ejection/Min @ 6.5 Bar

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\* Product specifications subject to change without notice due to continuous improvements

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**APPLIED**

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