

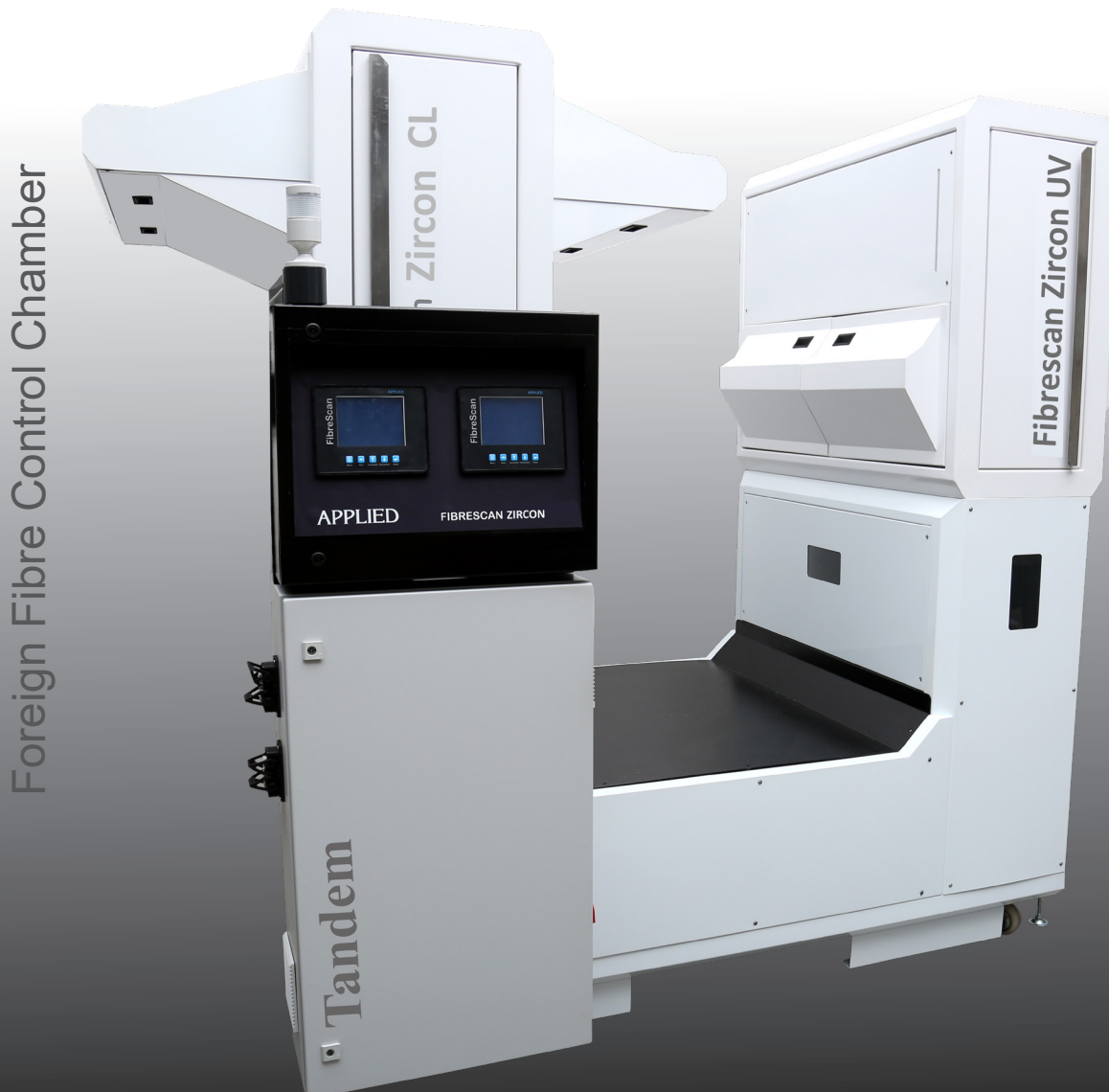
Fibrescan is a simple and reliable system for removal of Color PP & white PP contaminants in cotton Blowroom lines. Hybrid Intelligent TriLinear RGB Cameras and Multiple miniature camera array sensors interlaced with advanced technology are at the core of FibreScan.

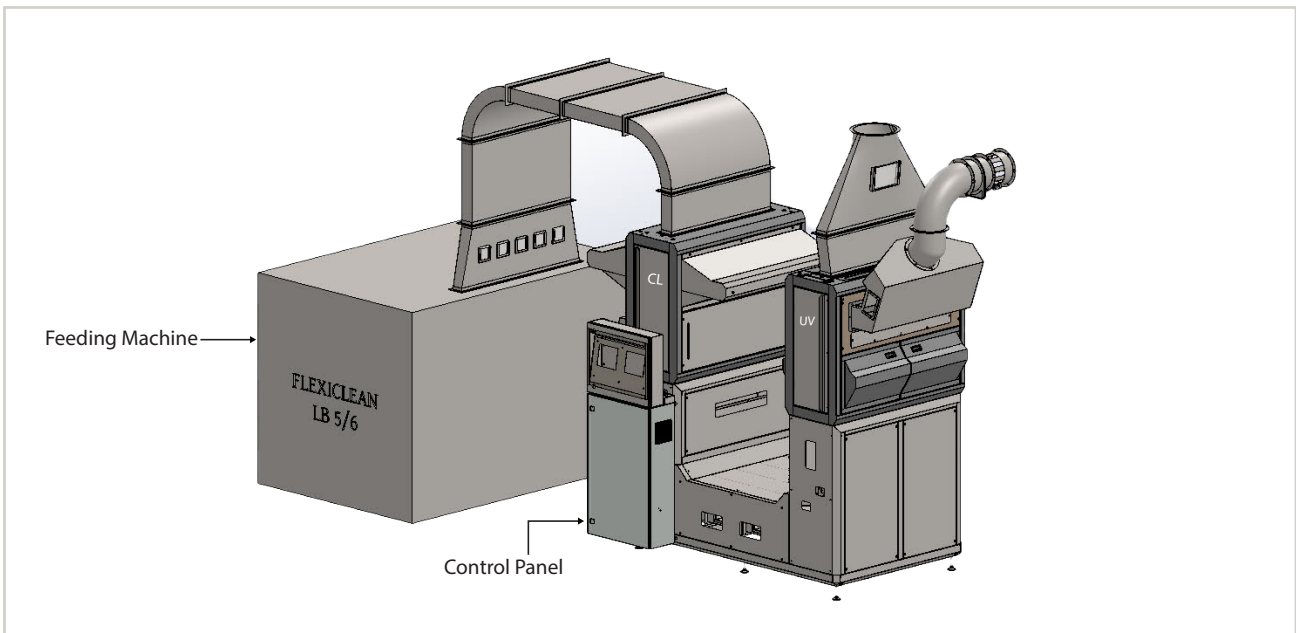
- * DIPT (Digital Image Processing Technology)
- * PMAC (Pixel Mapping Across Camera Sensors)
- Daylight for color scanning
- UV camera Array for Spectral Imaging

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

Features:

- * Hybrid Intelligent TriLinear RGB Cameras for every 240 mm of duct width.
- * Multi-Camera Sensor one for every 60mm of duct width.
- * DIPT - Digital Image Processing Technology for optimum detection of Contaminants.
- * Very low clean cotton ejections typically 0.5% for 30 Ejections/Min.
- * Hybrid Embedded Controller enhances reliability.
- * Easy to clean and Maintain, No PC Needed.
- * Higher efficiency than other technology machines.





Technical Specifications

Description	FibreScan Zircon - CL & UV (Tandem)
Sensing Technology	Quad Tech with TriLinear RGB Line Scan Camera and Multiple Camera Sensor Array
Processing	Based Real - Time Image Processing Technology DIPT – Digital Image Processing Technology PMAC – Pixel Mapping Across Camera Sensor Array
Type and No of Cameras	Multiple Camera Array Sensors - 32 Nos TriLinear RGB Line Scan Camera 8 Nos
Resolution	8192 Pixels (4*2048) for each TriLinear RGB camera 2048 Pixels (16*128) for each Camera Arrays
Camera scanning speed (LPS)	Upto 12000 LPS for Cameras
Production Capacity	Upto 1000 Kgs /Hour
Throughput Duct size	960*100mm
Size of Machine	1250 x 1350 mm Height will vary depends upon the blowroom layout
No of Ejection Value	48 Nos
Ejection Waste %	Below 0.5 % - 1.0 % Maximum 60 Ejection / Min
Sensitivity setting	On Area, Vertical, Horizontal Sizes Wise Settings
Diagnostics	Camera Sensor, Ejection Valve, Lighting Hours, Intensity graphs
Display Features	Comprehensive for Camera Array Sensor & RGB Camera
Tube Light Nos and Wattage	8 Nos (4*2 - 36 Watts) UV light, 4 Nos(2*2 - 54 Watts) Daylight
Control System	Dedicated Embedded controller for daylight camera array sensing & UV Spectral Image
Operator Interface	HMI and Console on Mc
Power consumption	2 Kw + Fan
Power	415 Volts 3 Phase 50 Hz
Ejected material Collection	AEMCH – Applied Ejected Material Collection Hanger – Optional
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 50 Ejection/Min @ 6.5 Bar

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

