

Technical Data*

Xeni 2

Contaminations detected

- White PP films, Fabric and Jute bits, Coloured Paper Leaves, Feather and Oily Cotton

Position of Xeni 2

- At the end of the Blow Room line after, viz; Flexiclean (LMW), Uniflex (Rieter), CVT (Truetzschler) and Fine Opener (Crosrol) or similar / equivalent other makes in Blow Room
- Input duct: 1200 x 80 mm

Key technology

- Precise detection using CCD's with high speed parallel image processing
- UltraSonic module for effective detection of White PP
- Focused "Transfer zone" Ejection system

Power supply

- Single Phase 0.75 KVA
- 1 KVA OnLine UPS supply with 30 minutes backup

Configuration

- Production rate up to 1000 kg/h
- Material velocity up to 20 m/sec

Material ejection

- Pneumatic ejection and automatic removal of ejected Material

Output parameters

- Ejections : Shift wise and Mix wise
- Alarm for exceptions viz; low pressure, communication failures

Calibration

- Automatic and manual calibration

Ambient conditions

- Relative humidity : 40 to 65%
- Temperature : 5° to 55°c

Compressed air requirement

- Approx 3.3 m³/hr at 6 to 8 kg/cm²

Xeni F

Contaminations detected

- Large sizes of Fabric and Jute bits, Coloured Paper, Leaves, Feather and Oily Cotton

Position of Xeni F

- At the beginning of Blow Room line after, viz; Varioclean (LMW), Uniclean (Rieter), Maxiflo (Truetzschler) or similar / equivalent other makes in Blow Room
- Input duct: 1000 x 80 mm

Key technology

- Precise detection using CCD's with high speed parallel image processing
- Focused "Transfer zone" Ejection system

Power supply

- Single Phase 0.75 KVA
- 1KVA OnLine UPS supply with 30 minutes backup

Configuration

- Production rate up to 1000 kg/h
- Material velocity up to 20 m/sec

Material ejection

- Pneumatic ejection and automatic removal of ejected Material

Output parameters

- Ejections : Shift wise and Mix wise
- Alarm for exceptions viz; low pressure, communication failures

Calibration

- Automatic and manual calibration

Ambient conditions

- Relative humidity : 40 to 65%
- Temperature : 5° to 55°c

Compressed air requirement

- Approx 3.3 m³/hr at 6 to 8 kg/cm²

* Subject to change without notice

Xeni 2™

Contamination Sorter in Blow Room

PREMIER



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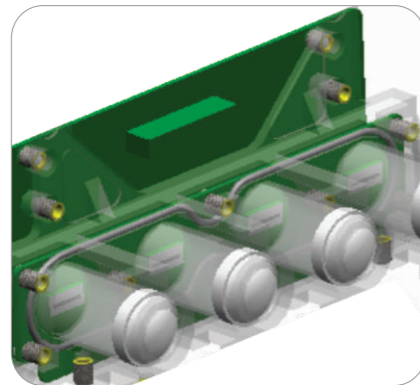
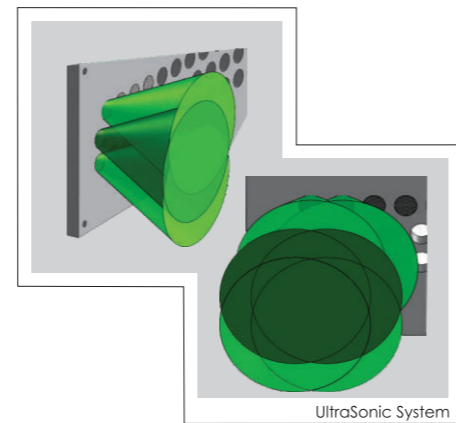
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Xeni2 State-of-the-art technology. Superior performance

First of its kind, the **Xeni2** and **XeniF** contamination detectors are now specifically designed for beginning and end of the Blow Room line. Together, they demonstrate the power of Intelligent Technology in providing high operating performance and superior reliability.

White PP Detection

The UltraSonic system works on the principle of echo of sound waves, which detects the contamination based on density of the material. An unique design with detectors staggered in 2 rows, eliminates "deaf spots" for better contamination detection. The UltraSonic module detects White and transparent contaminants viz; White PP



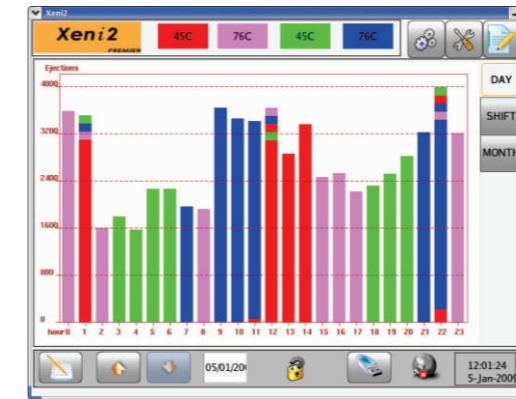
High Speed CCD

- The CCD array collects the light reflected by contaminants which is lesser than the light reflected by cotton
- With CCD's placed on both sides, an optimum detection is ensured by processing the image using the state-of-the-art high speed processors operating in parallel

Key Technology	Function	Benefit
UltraSonic Module	Unique design to eliminate "deaf spots"	Better White PP detection
High Speed Scanning	Higher rate of Contamination Scanning	Precise detection of Contamination
Image processing	Processing by state-of-the-art high speed processors operating in parallel	Best-in class detection of contaminants of different types, sizes and orientation, even at higher speed
Transfer Zone ejection system	Focused ejection of the contaminants	Minimum lint loss

XeniF Economical Solution. Efficient operation

The **XeniF** integrates two key technologies viz; the high speed CCD and patented Ejection system for a highly stable and effective operation

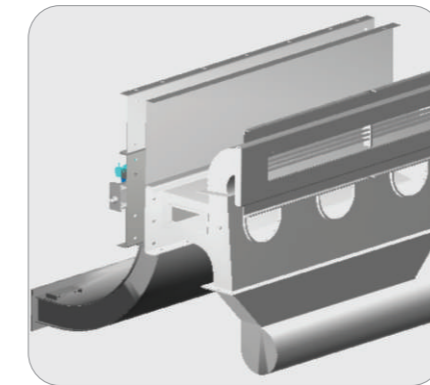
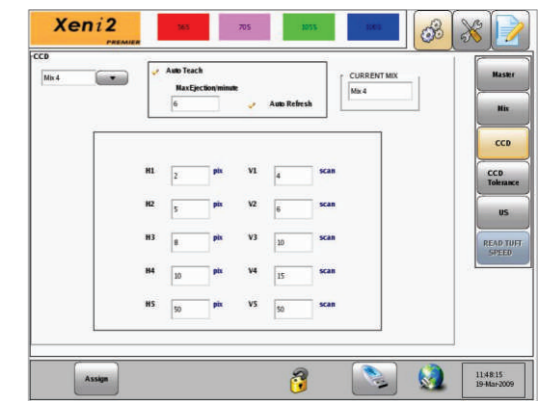


Intelligent Solutions

- Performance of the machine operation can be assessed Mix wise with the help of several graphical and numerical reports for various time intervals
- A high resolution touch screen display functions as a convenient user interface. Alerts user when the life of the lamp expires (6000h)

Multiple Threshold Levels

- Multiple threshold levels enable the user to fine tune and detect specific contaminations of various size and shape



"Transfer Zone" Ejection System

- Efficiency of the ejection system determines the performance of the machine
- The patented "Transfer Zone" ejection technology operates on focused ejection of contaminants with minimum lint loss

Xeni2 and XeniF Series of Contamination detectors in Blow Room

