

Loptex: Quality control systems for spinning industry

Loptex has been catering to spinning mills and its product lines includes: Sorter Single 90 and 120; Sorter Tandem; Sorter HP. Loptex was the first company to launch in the market, systems and solutions using pneumatic valves working in a free, uninterrupted fiber flow. Loptex is known worldwide a specialized company producing machines to control the contamination of raw cotton during the opening process. Loptex Optosonic combines a unique know-how in optical and ultrasonic techniques. Loptex is represented by The Textile Engineers of Pakistan.

The Optosonic Digit+ Line

Loptex, the Swiss-Italian company producing systems for the detection and removal of contamination in cotton blow room lines, still implements the simplest and most effective solution in the market.

The Optical system measures the average brightness of the raw material and recognize colored contamination being darker. The Sonic system is an hardware attachment. It measures the average density of the cotton and recognizes all the denser colour and colorless contamination.



Loptex Optosonic Digit+ Line.

Furthermore, since its acoustic waves penetrates the fibers flock, hidden contamination are also detected. These features, carry-out a double control on contamination. The OPTOSONIC DIGIT+ Line offers Maximum Detection and removal performance.

Advantages

- ❖ Double control on contamination by means of Optic and Sonic sensors.
- ❖ Dedicated microprocessor analyze and process spot wise the sensing device signals both for Optic and Sonic systems.
- ❖ Robust technology suitable for blow room line environment.
- ❖ Design of the waste container and the measuring field for the elimination of air turbulence generated by valves air blasts in case of high intervention rate.
- ❖ Speed Meter for the measure of the speed of the cotton flocks assuring high accuracy and precision on contamination rejection.
- ❖ Loss of good fibers less than 0.2% of the total amount of cotton production.

Sorter Optosonic DIGIT+ SINGLE 90

In Sorter Optosonic DIGIT+ SINGLE 90, where DIGIT+ refer to the new digital technology by means of dedicated micro-

processor fitted on Optical and Sonic electronic cards. This technology grants greatest speed of data handling and stability of all the electronics.

This represents Loptex suggestion for Single line where the production doesn't exceed 600 Kg/h. This solution gives the mill following advantages:

- ❖ Highest performance of the Optical Sensor and Sonic Sensor being the material more opened.
- ❖ The efficiency of the whole system increases at its maximum level.
- ❖ Better accuracy on detection and consistency in results

In the last years, a new concept has been proposed to the world market: the full control of contamination by means of the introduction of a Sorter system after the coarse opener for the detection and removal of the bulk of contaminant in case of highly contaminated cotton.

The purpose of this "coarse removal" is to significantly reduce the high rejection rate of the Sorter "fine removal" fitted after the fine cleaner, and assure an effective and smooth cleaning of the cotton. Loptex is still the only system able to detect with the optimum level of efficiency, the white and the transparent contaminations. More than 600 blow room lines are equipped with Sorter from Loptex. ♦

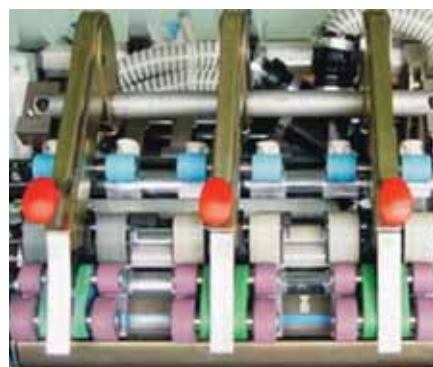
Compact Spinning Technology by Ningbo Dechang Textile Machinery Company

Ningbo Dechang Textile Machinery Co., Ltd is located at the beautiful Yunsheng Science and Technology Industrial Park at Ningbo - an east coastal city in Yangtze Delta in China. Dechang as a subsidiary of Yunsheng Group is a high-tech enterprise specialized in research & development, manufacturing, sales and service of the compact spinning machines.

With the support from its parent company Yunsheng Group, this company has developed a series of compact spinning machines which have been quite popular in Pakistan.

The quality of the yarn produced by such machines has reached or exceeded the world standards, which brings us good reputation, stated Mars Trading Corporation spokesperson Mr. Mohsin Mukhi from Pakistan.

Dechang in China is making continuous strides in making world's largest



Compact spinning by Dechang from China.

compact spinning machinery production base. Dechang's compact spinning technique has brought huge market opportunities and economic effectiveness for textile companies in Pakistan.

Its wide application has broken through the limitation of traditional ring-spindle spinning, some new textile products applications that are never imagined before, have come true through Dechang's compact spinning technique.

Further information:
Mars Trading Corporation. ♦