

Complete spinning systems by Marzoli

Marzoli has been the only manufacturer in the world with the ability to create the complete line of machines for spinning cotton and synthetic fibres. In March 1999, Marzoli became a part of the Camozzi Group. The factory has since been reorganized and modernized in order to offer new high technology spinning solutions. Marzoli represents the perfect example of a fusion between mature experience and modern progressive technologies. In the production departments, mechanical process and assembly utilize the highest technologies available for the manufacture of qualifying components that will ultimately be employed together. The core structures of the machines are processed on FMS lines that guarantee the highest standards of precision and component interchangeability. All production processes are certified according to ISO 9001 standard.

The CM600N comber, the C601 SN card and the FTSDN roving frame

These three models, which are completely new and unmatched among our competitors for performances, Quality and productivity.

CM600N comber: The Marzoli comber, operating since approx. one year in one spinning mill under the most severe tests, has been optimized thanks to very high technologies that allowed increasing the machine / production (nips/minute) with the same sliver quality and less noil percentage.

FTSDN roving frame: Marzoli roving frame, with or without doffer, is universally recognized in the market as the machine with productivity, efficiency and roving hank quality that cannot be matched by the competitor & during 2007 Marzoli tested, approved and put in production a roving frame, with and without autodoffer, 6" x 16 flyers, 192 spindles with a total machine length of 24 m.



Marzoli CM600N Comber.

In the range of the textile machinery manufacturers, Marzoli is the only company that designed and tested a roving frame with these features. The new solution allows to: simplify the bobbins transportation

system and consequently encourage the automation of the spinning mill.

C601SN card: An increase of production without losing quality has always been the main challenge all the time. The new card model C601SN has been redesigned in order to achieve this difficult goal. The C601SN has been completely redesigned in the geometry. The most interesting innovation is represented by the increase of the working carding area - 90 movable flats with 32 flats in the working area. This feature is the first step towards the increase of productivity in the operating phase without influencing the sliver quality.

The technical and technological innovations guarantee an increase of 30% of the card production with a reduction at 25% - 30% of the impurity contained in the sliver. The new series C601SN has been released for production with delivery starting from end 2007 / beginning 2008. ♦

Detection of contamination free cotton by Loptex

Loptex is specialised in producing systems to detect and remove contamination in cotton spinning mills during the opening process. It implements the simplest and the most effective solution in the market. The Textile Industry nowadays is facing many challenges due to economical recession, shortage of energy supply and the increase of industrial costs. In this critical scenario, Loptex, takes the opportunity to invest in research and new resources, in order to offer solutions which can bring added value to its customers final products.

The Loptex OPTOSONIC system, features the following technologies by means of optical sensors, it measures the average brightness of the raw material and recognize coloured contamination as being darker.

The Sonic sensor is able to detect white and transparent contamination including all types of plastics. By means of ultrasonic waves, it detects all the contamination with major density than the cotton processed. Furthermore, since the acoustic waves penetrate the fibre flocks, hidden contamination are also detected. The OPTOSONIC system is able to recognize all kinds of contaminated material such as: coloured, transparent plastic and polypropylene which brightness is similar to the brightness of the cotton processed.

The New OPTOSONIC Sorter offers maximum detection and removal performance.



The New Loptex OPTOSONIC Sorter.

- ❖ Double control on contamination by means of optic and sonic sensors which assure consistency in results and implements the most robust technology suitable for blow room line environment.
- ❖ New design of the waste container and measuring field for the elimination of the internal channel turbulences caused by repetitive air blasts in case of high intervention rates.
- ❖ Speed Meter for the measuring of cotton flocks speed, assuring high accuracy and precision on contamination rejection.
- ❖ Loss of good fibres less than 0.2% of the total amount of production.

Up to now, Loptex has installed nearly 1000 systems around the world. ♦