

JSFA 388 cotton comber by Kaigong Machinery Company

Kaigong Machinery Co. Ltd, founded in 1984, is a one of the suppliers of textile spinning machinery is located at Kunshan city, Jiangsu Province, China. Their manufacturing programme includes combing machines, sliver lap winder, compact spinning devices, automatic cone winder and textile machinery accessories.

New model comber JSFA 388/388A

Jiangsu Kaigong Machinery Co.,Ltd. has developed the latest highly efficient combing machine-JSFA388/388A cotton comber which offers high speed, production and quality with low power consumption. The new comber is a predecessor JSFA286, and JSFA288 cotton combers, which are already sold to many customers in China and other Asian countries.

Salient features

New type of high efficiency and stable head driving mechanism, with optimum quality comber parts and movements results in less consumption, lower noise, reduced vibration, and more stable performance of the machine. Similarly, a high-quality, high efficiency, and power-saving combing feature of new system, ensures optimum combing of the fiber, with optimum fiber length and parallelism.

The new suction system is better adapted to high speed combing and noil elimination optimizes the air flow's adjustment and control. It has the noil air complementary setting that has reduced the impact and influence from the air against the cotton web, which ultimately reduces the consumption.

The reliable quality is achieved through online monitor control design, which improves quality, optimum material utilization, reducing the consumption and enhancing the back processing with lower power consumption.

This new system is more flexible and offers new visual friendly screen and software upgrade according to the customer's requirements.

Advantages of the new JSFA 388

The advantages of the new JSFA 388 can be highlighted as follows:

- ❖ Highly efficient drive system.
- ❖ Reliable monitoring and control system.
- ❖ New power save suction system.
- ❖ High quality combing system.
- ❖ Higher speed with lower power consumption.
- ❖ More consistent quality with better noil control.

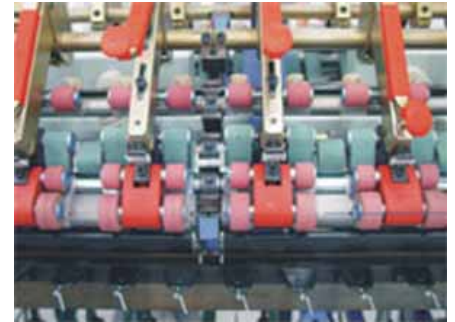
Computerized Roving Frames

The computerized high speed Suspend flyer Roving frame from Kaigong Machinery adopts the advanced computer numerical control technique, while eliminating cone drum structure.

This new technology ensures that four main drive parts run independently, and are controlled by computer numerical control system and servo drive operation. In Chinese market, it can be considered as one of the most advanced roving frames with mechanical-electrical integration. It is suitable for pure and blended processing of combed cotton fibre and artificial fibres.

The arrangement of motors in head-stock offers simple and convenient interface for adjustment and processing of yarn. Similarly, the pendulum weighting arm with pneumatic pressing is convenient for adjustment and maintenance. In order to guarantee the precision of the driving mechanism, the system adopts synchronous belt to reduce noise and reduces maintenance costs.

Other important features include automatic lubrication system; touch screen operation board and flyer protection cover. The revolving cleaner improves the working environment and production efficiency due to smooth lint free operation of the roving frames.



Compact Spinning system

Compact Spinning System

Compact spinning is a recent spinning technique to produce condensed high quality yarn. To reduce and eliminate the spinning triangle at the front roller (a known phenomenon in conventional ring spinning that leads to multitude of deficiencies, e.g. hairiness, end breaks, etc.), a compacting device is added to control and condense the strand of fibre coming out of the drafting zone. This helps to reduce hairiness and increase yarn quality greatly.

Based on market requirements in China, and compact spinning technologies used overseas, Kaigong has developed two types of compact spinning systems for different customers. The company offers good quality, low cost, easy and quick conversion for any type of ring frames, which facilitates retrofit decisions for large scale expansion or conversion of new plant. Therefore, keeping the original machine frame structure unchanged, and utilizing the old bottom rollers, pendulum arm and drafting system, the new compact spinning system can be easily installed by Kaigong engineers.

For pneumatic compacting, only simple flexible pipes are needed to be connected onto the negative pressure chamber sitting on top of the original pneumafil suction duct.

For pneumatic compacting, the negative pressure fan drive is collectively driven, which is structurally simple and easy to install. The main suction motor is fixed on the ground by four expansion screws, while the small fans and transmission parts are mounted on the original machine frames. The electrical control panels need no further changes as it can be adapted with minimal alterations. There are different sizes of condensing troughs for compacting different types of yarns, according to customers' end uses.

Kaigong from China is represented in Pakistan by AHS Textile Machinery Company.◆



JSFA 388 cotton comber.