

ZSK displays biggest multihead embroidery machine in the World - The new league in yardage embroidery

ZSK Stickmaschinen GmbH, Krefeld is known for production of multi-head embroidery machines. The ZSK ZBFA 5606 is now the world's biggest multihead embroidery machine. ZSK machine has the vast number of 56 heads, an enormous embroidery field and six colours. Its head-spacing of 24/4 or 48/4 is almost tailor-made for the typical Pakistani production. Moreover, the ZSK ZBFA machines operate with true Automatic Head-Selection for extraordinary designs and can be upgraded with different devices like sequin, boring and cord/loop. The company's success is based on a winning combination of creativity and flexibility on the one hand, and precision and technology on the other, while production is continuously adapted to market requirements. This machine on display at Textile Asia is definitely a show highlight for the apparel and garment sector. ZSK is represented in Pakistan by AHS Textile Machinery.

Exports account for approximately 95% of total sales and embrace more than 100 countries all over the world, with more than 50% of the ZSK turnover achieved outside of Europe and still increasing. ZSK is one of the largest European supplier and one of the leading manufacturers of embroidery machines worldwide. Based on the company's progressive and successful innovation policy, their products have established themselves at the top end of the world market. The consequence of selling more than 12,000 embroidery machines and some 1,200 digitizing systems. The ZSK-Sticktronic range embraces practically the full application scope of machine embroidery. All the machines feature all-electronic control and obtain the design data from modern data media or networks. The proven modular design principle holds the key to satisfying all customers' needs.

The array of machines is complemented by computerized punching systems, incorporating the experience and know-how of traditional embroidery. All machines are with automatic thread trimmer, upper and lower thread monitors. Control technology with color monitor, keyboard and user guidance in native language

Large-surface embroidery machines

ZSK ZBFA 5606 is now the world's biggest multihead embroidery machine. Thanks to its 56 embroidery heads, productivity is increased by 25 percent compared to their previous top model. ZSK is building large surface embroidery machines since the year 2000. Hundreds of machines like the 30-, 36- and 44-head are already installed in the market. Now the world's largest multihead embroidery machines ZBFA 5606 and ZBFA 2809 perfect ZSK product range as an answer to the ever changing markets.

With its typical Shuttle Embroidery repeat 24/4 and 48/4 six and nine colors/needles, it is trendsetting not only in the flat embroidery range but also in the Shuttle segment it opens up new ways of cost efficient production of multi-color products.



Additional high performance units for sequin, cord/loop and boring embroidery can be used for further embellishment. Changing designs featuring more colors, large repeats and quickly changing production batches with small volumes are the challenges the conventional yardage and Shuttle Embroidery is faced with.

As German market leader for high performance embroidery machines and high-end software, ZSK offers solutions meeting the rising demands of the global market competently. The special design features of the large ZSK yardage embroidery machines guarantee edge over competitors. They incorporate the Shuttle repeat of 24/4 French inch and all original advantages of the ZSK multi-head technology: Multi-color design at every embroidering area, highest embroidery speed and numerous special units such as sequin, boring, cord/loop device.

Minimum investment maximum productivity

ZSK offers the performance and productivity level desired by many Shuttle embroiderer who intend to open up new markets. However, the required investment only amounts to that of a multi-head machine. The Shuttle repeat allows usual dimensions, but at the same time satisfies the demands of the market for large repeats and multi-color designs. The 200 mm and 240 mm repeats of the ZSK yardage embroidery machines with up to nine colors also meet this trend.

The shuttle machines only use every second or third stitch or even fewer embroidering areas for multi-color embroidery – i.e. only a minor part of the capital invested in them. In case of the ZSK yardage embroidery machine six or nine colors are available depending on the head spacing without deactivating embroidery heads.

The direct comparison shows further factors contributing to the efficiency: ZSK machines are extremely solid and built to run 24/7 for years with extremely high embroidery speed of up to 1000 rpm and the considerably shorter set-up times when changing the sample or order.

Smart solutions by head-selection

Any head at any time can be selected without manually switching heads on and off being supported by the ZSK digitizing software, data code and machines. Thanks to the so-called "automatic head selection" and the extended pantograph movement, an embroidery head can also embroider the neighboring embroidery field.

A sequin device is installed only on every second head. By means of the head selection, these sequin devices are activated and can embroider also in the neighboring repeat. The so called "pull-through" technology allows the production of yardage goods by pulling through the embroidered fabric over the entire length of the border frame. ♦