Press release

Monarch and BMSvision join forces to bring Industry 4.0 to the knitting industry

Monarch, a leading supplier of high-end circular knitting machines and Belgium based BMSvision have entered into a co-operation agreement for the development, marketing, installation and service of a state-of-the-art Manufacturing Execution System (MES) for the circular knitting industry. The system, which is based on the proven BMSvision KnitMaster architecture, is marketed as MMS – Monarch Monitoring System.

Using the LAN interface board of the Monarch machine, all production data is automatically collected and sent to the MMS server for real-time analysis and reporting. An additional interface has been developed with the LGL feeders on the machine providing real-time information of yarn tension and yarn consumption in the MMS monitoring application. Older machines or machines from any other brand are connected by means of one of BMSvision touch screen based data collection terminals.

Powerful analysis tools allow quick identification of bottlenecks resulting in optimal usage of production capacities. In case a problem is detected on a certain machine, such as high stop level, deviation in yarn feed…, automatic alarm messages are sent to the supervisors allowing an immediate reaction and correction of the problem. Managers can build their own personalized dashboards for a quick and transparent analysis and evaluation of their KPIs.

The integrated job scheduling module automatically calculates the time needed for every single job and updates it based on real-time information such as actual speed, efficiency and stop level of the machine. By means of simple "drag & drop" functions, the planner easily assigns jobs to machines.

MMS is available in three versions: MMS Basic for machine monitoring, MMS Plus which includes also a complete scheduling software module and MMS Advanced as the full option MES system.

With this co-operation, Monarch wants to support its customers in their path to digital, paperless production and offer them customized solutions for better utilization of their machines as well as for increasing their overall equipment effectiveness (OEE).

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About Monarch

Monarch Knitting Machinery Corporation was founded in 1961 and is today widely recognised as being the world's leading supplier of single and double jersey knitting machines. This reputation has been built on a very close working business partnership with Precision Fukuhara Works Limited in Japan.

Monarch's business philosophy has always been to stay one step ahead of our competitors through our continuing technological development. The belief that the quality of the machine is of paramount importance and this, in conjunction with excellent after-sales support, has enabled very close working relationships with customers to be established. The close bond developed with customers is what enables a better understanding of the market, which leaves Monarch and Fukuhara well placed to develop new machinery and fabrics of real commercial importance.

Monarch has its head offices in the U.S.A. and Monarch UK is responsible for the sale of machines, spare parts and technical service for the whole of Europe, Africa and Turkey.

About BMSvision

BMSvision is a leading supplier of Manufacturing Execution Systems (MES) for discrete manufacturing, with focus on the textiles and plastics industry.

With over 40 years of experience, BMSvision offers a wide range of systems aimed at productivity, quality improvement and energy management.

BMSvision is present at key locations around the world, either with own branch offices or through a worldwide network of agents and service centers.

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