



## MAGICEYE – a new dimension in the foreign fibre detection

Jossi Systems AG designs, manufactures and distributes specialized equipment for process and machine protection in selected areas of the textile industries. The product range comprises high resolution optical detection systems for elimination of foreign materials in cotton; spark and metal detection and elimination systems. Jossi Systems, the market leader for foreign material detection units in the blowroom presents a new system MAGICEYE M1, that can detect white, natural cotton colored and transparent synthetics. Independently of optical bleaches or polarization effects.

Raw cotton, which is fed to the blow-room line, exhibits numerous impurities. Impurities which must be eliminated at an early stage in order to avoid negatively influencing the spinning process and creating quality loss in the yarn.

Jossi Systems is specialised in the elimination of all foreign particles. The actual foreign fibre cleaning unit, THE VISION SHIELD DIRECT MPIX, operates on the basis of colour contrasts and sets the market standard worldwide. Products for the metal elimination and spark detection as well as the super fast diverter have awakened the interest of the textile world and assured Jossi Systems continuous success.

### Optical High-tech inside the unit

Jossi Systems has perfected the removal of colored foreign particles. Transparent and natural cotton colored synthetics, however, were only partially recognised by the actual system. Only optically lightened synthetics were

detected by UV light in any quantity worth mentioning. These limitations now belong to the past: the patented "world's first" MAGICEYE M1 operates with a new type of optical system. It exploits the differences in the light refraction. This technology measures special characteristics which enable a clear division between synthetics and cotton. This guarantees that all commonly found synthetics, irrelevant of the colour, are detected and eliminated.

### Operator friendly environment

Although the new detection method is unique in the textile world and despite the technical complexity, there is not much change for the operator. Its systematical and user-friendly environment is quite familiar to the operator. All operational and analysis functions are integrated in THE VISION SHIELD DIRECT MPIX. Therefore, less than one minute after start up, the MAGICEYE M1 is ready for detection. The sensitivity of the unit is set by the operator by just one parameter.



MAGICEYE M1- small in size with high efficiency.

The system operates quite reliably, and the changed compositions of the feed material have no effect on the system. MAGICEYE M1 is integrated in an existing THE VISION SHIELD DIRECT MPIX without loss of functionality. According to Jossi, this is a Swiss masterpiece of engineering design, that is easy to adapt and without additional space requirements.

Courtesy: Jossi Systems AG. ♦

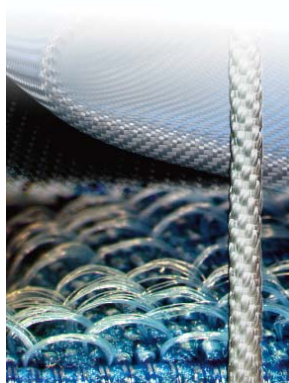
## 9<sup>th</sup> Narrow Fabrics Conference organized by the Jakob Müller Institute

Customer training increases the output of the business. Technique and technology alone are not the only key elements for a successful business. Equally important are well-trained and highly motivated employees in all areas. It is well-known that machinery and plant are only as good as the personnel who serve them. Naturally, this is also true for our customers in the field of the narrow fabrics industry. The worldwide, predominantly state-run, textile training schemes concentrate more and more on providing a basic textile education. Specialist knowledge has to be gained through experience. Today, even in the industrial nations of the world, it is difficult to find courses in textile colleges for the production of narrow fabrics. In order not to leave training to chance, Jakob Müller AG has created a training and communications center for the narrow fabrics industry.

The 9th Narrow Fabrics Conference will be held in Frick, Switzerland, exclusively for customers of Jakob Müller AG. Started in 2001 the Jakob Müller Institute of Narrow Fabrics has been organizing the Narrow Fabrics Conference in yearly intervals at different locations such as in Frick (Switzerland), Lainate (Italy), Singapore, Munich (Germany) and Shanghai (China).

The main topic of this year's conference is functional narrow fabrics for technical applications – smart products designed to enhance competitiveness.

The wide range of applications for technical narrow fabrics is matched by their market potential. The development of such products is conditional on profound technical and techno-



logical know-how and on interdisciplinary cooperation, spanning the arc from yarn production via finishing to fabric production. Besides, new challenges are posed by the growing environmental awareness of customers.

With a view to meeting the constantly growing need for information in this sector, this year's specialist event centres on functional narrow fabrics. Experts originating from Hong Kong, Great Britain, Germany, and Switzerland active in different fields will present papers on topics such as ecology and corporate governance, innovative material and products as well as innovative finishing technologies.

For programme details and registration forms please refer to: [www.mueller-frick.com](http://www.mueller-frick.com). ♦