



Stäubli's Jacquard machines

Stäubli is a mechatronics solution provider with three dedicated divisions: textile machinery, connectors and robotics. With a workforce of over 3000, the company generates a yearly turnover surpassing 1 billion Swiss francs. Originally founded 1892 as a small workshop in Horgen / Zurich. Stäubli is present in 25 countries through its sales and customer service subsidiaries with fourteen industrial production sites, including its Group companies Multi-Contact, Schönherr and Deimo. The textile machinery division is represented in Pakistan by Simag

The world of Stäubli Jacquard machines is a fascinating one. Throughout the entire world, countless weaving mills produce innovative high-quality fabrics with these reliable and multi-purpose machines. The variety ranges from the finest silks to the most complex technical textiles and original decorative fabrics.

The Jacquard machines with Stäubli electronic control are high-performance machines, benefitting from many years of technical experience.

They are distinguished by their high performance characteristics, the quality of the materials used in their construction and their impressive service life. Stäubli Jacquard machines represent a complete range of formats, ranging from 48 to 30720 hooks for producing all types of fabric.

Stäubli allows to get the maximum performance from Jacquard machines by proposing custom harnesses, while offering its innovation and know-how to all weaving mills, at the international level.

LXE 1602 Jacquard machine

The LXE 1602 electronic Jacquard machine is particularly suitable for weaving labels, linings, silk fabrics and ties on high-speed weaving machines.

The LXE 1602 Jacquard machine is available with up to 1408 or 2688 hooks, depending on application and requirements.

LX 3202 high-performance Jacquard machine with 18,432 hooks

The LX 3202 is now available in a monoblock version with 18,432 hooks. With this expanded format, the LX 3202 can be used with even wider weaving machines, offering weavers higher output and more freedom in creating patterns.

The large format of the machine is ideal for high-performance applications in the production of flat fabrics with high thread densities, especially silk and upholstery fabrics on air-jet, rapier, or projectile weaving machines. Other applications are possible as well.

The LX 3202 in the new format keeps the proven architecture and reliable mechanical design of the preceding formats – with coaxial shaft system driven by complementary cams – but it has been reinforced and adapted to handle higher loads. Like other Jacquard machines by Stäubli, M6 modules are used for individu-



LX 3202 Jacquard machine with 18,432 hooks.

ally lifting harness threads. For operator-friendly programming and controlling, every Jacquard machine is equipped with a JC6 controller, including a colour touch-screen and appropriate interface options for data transfer and networking.

CX 180 / LX 32 / LX 60 Jacquard machines

The CX 180, LX 32 and LX 60 electronic Jacquard machines are particularly suitable for weaving narrow fabrics such as ribbons and labels on all types of needle weaving machine.

These Jacquard machines achieve excellent results in practically all applications involving narrow fabrics, whether it be labels, decorative ribbons, belts for technical requirements, trimmings or elastic ribbons for lingerie. ♦

Küsters DyePad – the perfect professional solution for technical fabric

The Swiss company Benninger has been the textile industry's leading partner across the globe for one hundred and fifty years with global branches and service representatives. Benninger develops and manufactures textile finishing and cord production ranges as well as providing complete system solutions.

Economic success in technical fabrics is determined above all by quality and reproducibility. Up to date finishing (especially in nanotechnology finishing) becomes more and more cost-intensive and at the same time process engineering has to be secured within stricter quality and production limits.

The answer to the various demands in the application of auxiliary chemicals and dyes remains as of 50 years ago, the Küsters' swimming roll. The pioneering invention patented by Eduard Küsters in 1956, is being used today thousand fold and is manufactured exclusively by Benninger for the textile industry since 2007.

With the deflection controlled S-Roll the pressure is infinitely variable and still capable to maintain a constant uniform nip pressure. Further developments by Benninger have put the main emphasis on the infrastructure, such as fabric guidance, dosing

and recipe management, and thus adapts the processes to the requirements of modern textiles. Therefore, Benninger is well positioned to meet the demands and challenges in the field of sophisticated technical textiles. ♦

