



Xorella: XO-Series Vacuum conditioning and Heat Setting Machine

Xorella's XO-Series energy saving vacuum conditioning and heat setting machines have been well received by customers since its launching. The new XO-series uses key components with high quality and excellent engineering in both performance and reliability to help the customers to save the energy consumption by 15-25%. Cornerstone of the new series is the advanced XO-steaming system, which uses the renowned intermediate vacuum technology and combines with internally produced 100% saturated steam to effectively condition, set, pre-shrinkage and relax the textile products.

From the standpoint of the customers, the Swiss designed XO-series machines incorporate the ecology concept to offer an unprecedented low energy consumption and an incredible simple design with minimum maintenance requirement to meet the lowest process cost and highest quality requirements. The operational efficiency is significantly improved by automatic loading platform. Numerous XO - series machines have already been in operation in China, India and other countries. XORELLA deliver excellent service, product quality and continuous innovations that are driven by market needs. Innovative products, systems and services are available to fully take care of the requirements in textile conditioning, textile heat-setting and sanitizing. And offer thermo-dynamically correct, environmentally sound, and world class quality engineered/manufactured products and solutions.

Leading yarn spinners, textile institutes, and experts recognize that the XORELLA® process enhances yarn quality, which leads to increased productivity in the fabric formation processes and eventually improved quality of the garment products. In 1995, a patented new link system and an automatic overhead door design followed. 1999, a rectangular machine for Euro-pallets and the patented "ECO" energy saving system

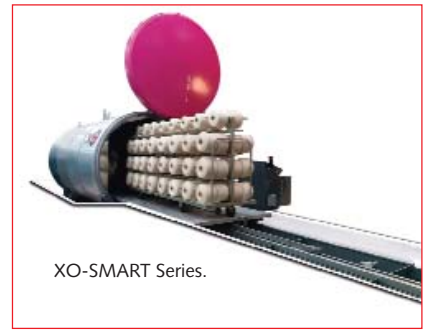


XO-SELECT Series.

was ready to enter successfully the market. In 2002, the founder and owner of XORELLA® sold his company to Fong's Industries Co., Ltd. For this, the Group formed Xorella Hong Kong Ltd. to acquire Xorella AG, Wettingen (CH). The move marked a further step toward diversification and also underlined the Group's strategy for providing a "one stop shop service" to the textile industry. At Xorella AG, there are around 15 specialists taking care of Engineering, design and R&D for the company.

Swiss Engineering

XORELLA is committed to provide their customers with lowest cost of ownership. Operating costs such as energy, labour and maintenance for machinery and processes



XO-SMART Series.

are assured through commitment to engineering excellence, quality and design.

Chinese Manufacturing

FONG'S INDUSTRIES GROUP and its flagship subsidiary Fong's National Engineering Company have been recognized in the global textile manufacturing community as world class producers of dyeing and finishing machinery. The manufacturing facility in Shenzhen PRC operates with most modern machining tools and equipment, and the company is certified according to latest European and USA standards of manufacturing, engineering and quality assurance.

XORELLA's latest technical development, the "XO-Steaming system" combines total ecology through lowest energy and water consumption, with the unique indirect finishing treatment to meet lowest process cost and highest quality requirements. The XO-Process for vacuum steaming of textiles uses indirect, 100% saturated steam and the renowned XO-Intermediate Vacuum Procedure for best steaming results. The XO-Intermediate Vacuum Procedure is a prerequisite to guarantee even treatment of the textile material and to assure the correctness of the process.◆

Oerlikon Neumag's latest developments in technical textiles

Technical textile fabrics are just a part of the product range that can be manufactured on machines and production lines of Oerlikon Neumag. Whether spunbond for the roofing industry or meltblown for filter applications, needle punched for geotextiles or underlays, or airlay for the acoustics industry, Oerlikon Neumag has machines and processes that meet demanding customer needs.

Fast becoming a recognized leader in the nonwoven industry, Oerlikon Neumag offers the broadest range of outstanding technologies for the production of nonwovens. From parts, key components, individual machines up to complete lines or even to turnkey installations, Oerlikon Neumag provides the most comprehensive portfolio of products and services.

New modular card system and elliptic needling

Carding technology with a series of improvements on FOR preparation and carding, Fehrer needle punching and Autefa in crosslapping: Technical novelties like the new modular card system, crosslappers with improved profiling plus a new drive technology, needle looms with features like elliptic needling, optimized needle patterns and automatic needle board exchange. For producing

hydroentangled nonwovens, the FOR Injection Card and the Autefa crosslapper are also the leading products with regard to speed and uniformity and are applied worldwide with all leading hydroentangling systems.

Large experience in engineering projects

Based on a large experience in engineering projects, Oerlikon Neumag can offer full- scope service in planning, realizing and optimising turn key installations, impressively documented by many prominent start-ups of lines with key players in the global nonwoven industry. Oerlikon Neumag comprises big name companies formerly known as J&M Nordson, M&J Fibretech, F.O.R./Fincarde, Autefa Nonwovens, Fehrer and Kortec which have been formed to integrated solutions for nonwovens production.◆