WEAVING / TUFTING / YARN PROCESSING & AUTOMATION

VANDEWIELE CONNECTS THE FUTURE OF CARPET MANUFACTURING AT ITMA ASIA SHANGHAI 2026

WHEN	WHERE	FIND US
20—24 NOVEMBER 2026	NECC / SHANGHAI	HALL 3 / D01

Precision. Design freedom. Smarter production.

SHANGHAI, CHINA — At ITMA ASIA + CITME 2026, Vandewiele will highlight technologies that help textile manufacturers combine higher productivity with greater design flexibility, consistent quality and efficient use of resources. The offering spans carpet weaving, tufting, heat-setting and intelligent automation.

01 / WEFT INSERTION & LOOM CONTROL

WEAVING INNOVATIONS

Precision, efficiency and sustainability

The weaving segment will showcase **four advanced weft-feeding solutions, including three new product launches.** The line-up features two glass-fiber feeders, Super Elf GF-TC and Super Elf GF-TD, alongside two rapier-loom feeders, Chrono X4 and Laser G2.

NEW-GENERATION FEEDER

Chrono X4

The new-generation Chrono X4 introduces an innovative modular design, offering greater flexibility and a wider selection of advanced tensioning systems. Designed for seamless integration with existing equipment, it is compatible with the control boxes of current rapier and projectile looms, enabling straightforward upgrades and enhanced operational flexibility.

Super Elf GF-TC

Super Elf GF-TD

SPECIALISED GLASS-FIBER FEEDERS

Responding to the growing demand for printed circuit board assemblies (PCBAs), driven in part by the rapid expansion of artificial intelligence applications, Vandewiele introduces two specialized glass-fiber feeders: Super Elf GF-TC and Super Elf GF-TD. Engineered to handle different types of glass fiber, these solutions work in combination with glass-fiber air-jet looms to support efficient, reliable and high-performance weaving processes.

COMPRESSED AIR consumption

UP TO

–13%

vs. standard market solutions

LOOM CONTROL SYSTEM / LCS

Energy-efficient air-jet control

Further strengthening its commitment to sustainable and energy-efficient manufacturing, Vandewiele will present its new Loom Control System (LCS). A key innovation is the integration of newly developed proprietary solenoid valve technology into the air-jet (AJ) system. This advancement can reduce compressed-air consumption by up to 13% compared with standard solutions currently available on the market, helping manufacturers improve operational efficiency while reducing energy consumption and environmental impact.

02 / CARPET WEAVING

PRODUCTIVITY WITH DESIGN FREEDOM

RCF / HIGH-SPEED WEAVING

UP TO
250
RPM

ADVANCED WEAVING SYSTEMS

RCF / Fast Creel technology

The RCF high-speed face-to-face carpet weaving machine is designed to keep production moving. Operating at up to 250 rpm, it allows bobbin changes during production to minimise downtime. Electronically controlled yarn tension supports consistent quality, while optimised yarn utilisation helps limit waste.

UCF / Versatile carpet design

UCF combines weaving versatility with efficient production, supporting differentiated carpet constructions and creative designs. Its focus is reliable performance and a broad product offering at competitive manufacturing costs.

MAX91 / High-speed Axminster

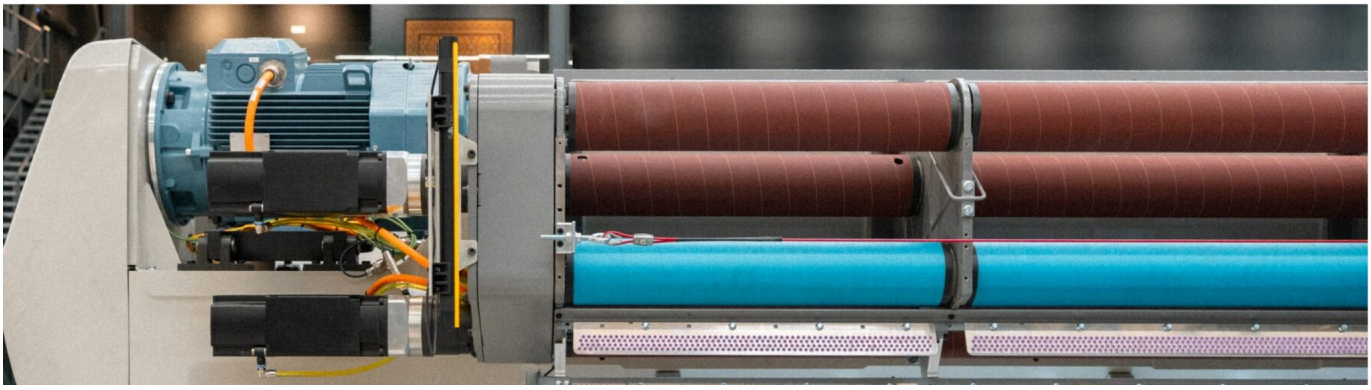
Built for the hospitality, commercial and contract flooring markets, MAX91 supports sophisticated multicolour carpets with up to 16 colour frames. It weaves without incorporated pile yarns, improving raw-material utilisation. The technology is suitable for wall-to-wall carpeting and premium area rugs.

DESIGN FLEXIBILITY | RELIABLE PRODUCTION | OPTIMISED YARN UTILISATION

03 / TUFTING TECHNOLOGIES

TWO PLATFORMS. ONE VANDEWIELE STANDARD.

From dependable, cost-conscious production to advanced digital control, manufacturers can select the technology level that fits their products and investment goals.



STANDARD PLATFORM

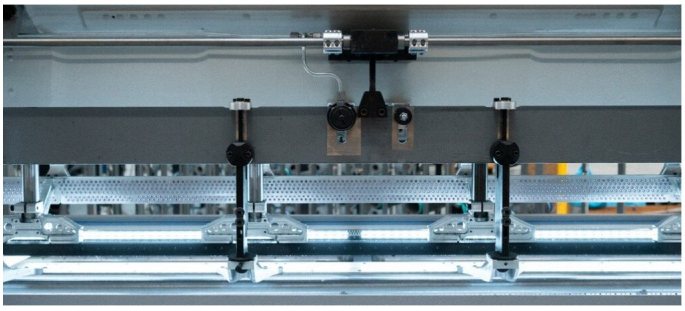
Proven performance. Practical investment.

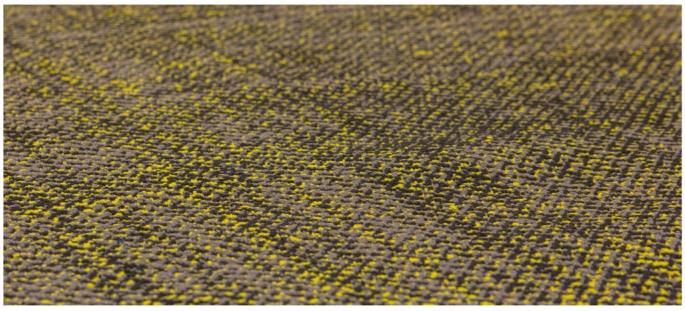
A cost-effective route to proven tufting technology, reliable output and solid performance. Designed for manufacturers who need competitive investment levels without adding complexity where it is not required.

HST / ADVANCED PLATFORM

More digital control. More repeatability.

An advanced platform for manufacturers targeting higher productivity and digitalisation. Independently servo-controlled motions replace critical mechanical adjustments, allowing precise settings that can be repeated from run to run for flexibility and consistency at high production speeds.





Across both platforms, Vandewiele focuses on repeatable processes, operational efficiency and the freedom to choose a machine configuration around real production needs.

04 / YARN PROCESSING & AUTOMATION

SUPERBA & VANDEWIELE AUTOMATION

Advanced technologies for textile manufacturing

As part of the Vandewiele Group, SUPERBA and Vandewiele Automation combine textile expertise and advanced automation to improve productivity, quality and efficiency across textile production.

SUPERBA

A worldwide leader in heat-setting

With decades of experience, SUPERBA is a world leader in continuous heat-setting and space-dyeing solutions for carpet yarns.

From the TVP3 heat-setting line to technologies such as the DHS3, MCD3M and MF400, SUPERBA provides reliable and efficient solutions designed to ensure consistent yarn quality and optimized production.

Present in **more than 70 countries**, SUPERBA combines strong process expertise with the worldwide support of the Vandewiele Group.

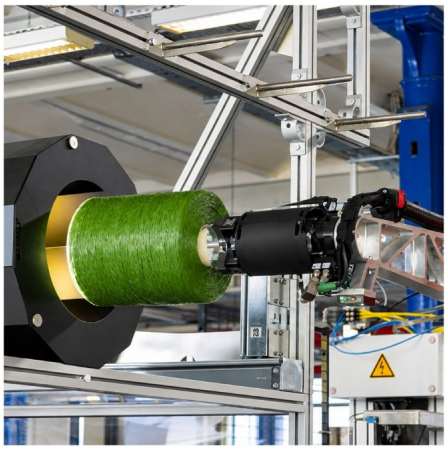
VANDEWIELE AUTOMATION

Smart automation for textile production

Vandewiele Automation develops intelligent robotic solutions to automate repetitive and labor-intensive operations in textile production.

At the heart of its portfolio, the KR1 automatic knotting robot uses advanced vision and automation technologies to handle, identify and knot yarn packages automatically, reaching **up to 240 packages per hour**.

Designed for a wide range of yarn applications, the KR1 brings greater productivity, consistency and automation to modern textile production.



Meet Vandewiele in Shanghai

ITMA ASIA + CITME 2026 — 20—24 NOVEMBER
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