

Linea ONE



NEEDLE LOOM Fehrer **STYLUSONE**

AUTEFA Solutions leads the way



AUTEFA SOLUTIONS –

Experience, Know-How and Competence
in Nonwoven Technology



AUTEFA Solutions leads the way

As a system supplier, AUTEFA Solutions represents companies with a long tradition and a history of years of successful participation in the market. Combining the experience of the companies AUTEFA, Fehrer, FOR and Strahm the company stands for high quality, durability and performance made in Europe.

AUTEFA Solutions creates innovative technological concepts for nonwoven products by utilizing the skills and practical experience of its employees. The customers benefit from the dynamic flexibility and specialist know-how of AUTEFA Solutions key technology sites in Germany, Austria, Italy and Switzerland.



STRAHM

AUTEFA Solutions leads the way to Needle Punching

Needle punching machines from AUTEFA Solutions combine Fehrer's know-how and long-time experience with the latest state-of-the-art technology. AUTEFA Solutions offers the optimum solution for any kind of needling requirement, as single loom or integrated in complete lines. The Needle Loom Fehrer StylusONE covers market needs for a reliable and economic machine, suitable for all needling applications up to 1.800 g/m². With a performance of max. 1.200 strokes/min the Needle Loom StylusONE distinguishes itself through productivity, guaranteed longevity and maintenance free gear boxes. The Needle Loom Fehrer StylusONE is being manufactured in Linz, Austria. Each machine is 100 % pre-tested which allows a fast start-up.

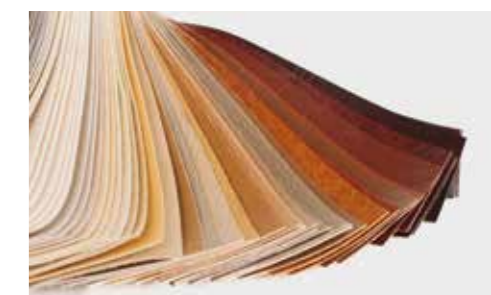
TECHNICAL DATA:

- Working width: 2.600 mm, 4.000 mm
- No. of needling zones: 2 (up- or down-stroke)
- Max. speed: 1.200 rpm
- Production speed: 1 – 10 m/min, 2 – 20 m/min
- Vertical stroke: 40 mm, 60 mm
- Needle patterns: 2 x 5.000 N/lin.m, 2 x 7.500 N/lin.m
- Max. web weights: 1.800 g/m²

TECHNICAL FEATURES:

- Fehrer high-performance gear boxes ensure continuous performance up to 1.200 rpm
- Easy accessibility for cleaning or needle board exchange
- Compact design
- Fehrer high-performance gear boxes ensure continuous performance up to 1.200 rpm
- Sensor controlled oil-lubrication system
- Siemens S7 PLC + Siemens G120 inverters
- Control via Siemens 12" touch-panel
- Sturdy welded steel frame made in Europe

FIBER PREPARATION	fiber opening and blending			
WEB FORMING	carding	aerodynamic web forming airlay	airlaid	crosslapping
WEB BONDING	needling	chemical bonding	thermobonding	hydro-entanglement
WEB FINISHING	drying	impregnating/ coating	embossing/ perforating	scattering
WEB HANDLING	winding	cutting	stacking	festooning



AUTEFA Solutions is part of China Hi-Tech Group Corporation (CHTC).

FEHRER StylusONE Technology

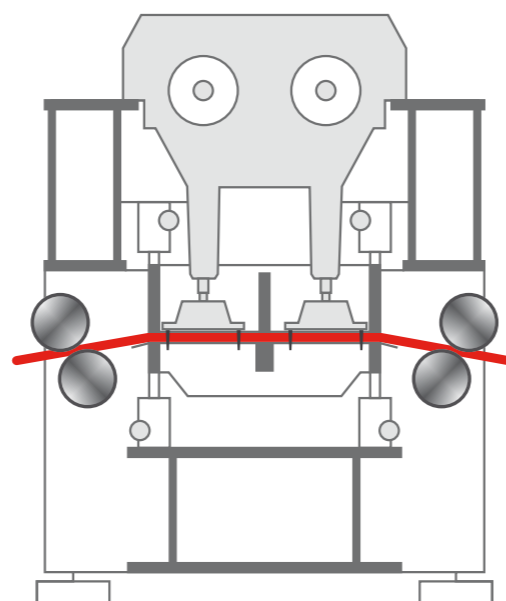
ONE Concept

MAIN CHARACTERISTIC FEATURES

- Compact design and high stiffness
- Vibration-free operation
- Continuous operation with maximum stroke frequency
- No resonance over full speed range
- Fehrer closed drive system
- 2 standard working widths
- 2 standard needle patterns
- 100 % European origin

ADVANTAGES

- Longevity – high rigidity
- Low maintenance – long service intervals
- Dust protection – closed gearbox design
- Low vibration level – improved mass balancing
- Less space requirement – integrated inlet and outlet rollers
- Easy integration – Siemens controls
- Cost-saving service intervals of several thousand hours



Features

Integrated inlet and outlet rollers

With the compact design featuring inlet and outlet rollers integrated in the machine frame the new StylusONE is perfectly suitable to replace outdated needle looms in existing production lines due to reduced space requirements.

Fehrer Needle Boards

Made from a special Mg/Al alloy and equipped with a special board centering system, Fehrer needle boards provide enhanced elongation properties as well as weight saving resulting in lower mechanical stress.

High-precision perforated plates

Using only high quality steel, StylusONE bed and stripper plates are manufactured by experienced specialists using the know-how gathered over decades at AUTEFA Solutions Austria.

Electrical equipment by Siemens Europe

As every Fehrer needle loom also the new StylusONE is equipped with European made Siemens electrical equipment to ensure reliability, compatibility as well as spare parts availability.

Operating Panel

Operating the new StylusONE is as easy as it gets thanks to a new intuitive concept of operations using a 12" touch panel by Siemens with special visualization software.

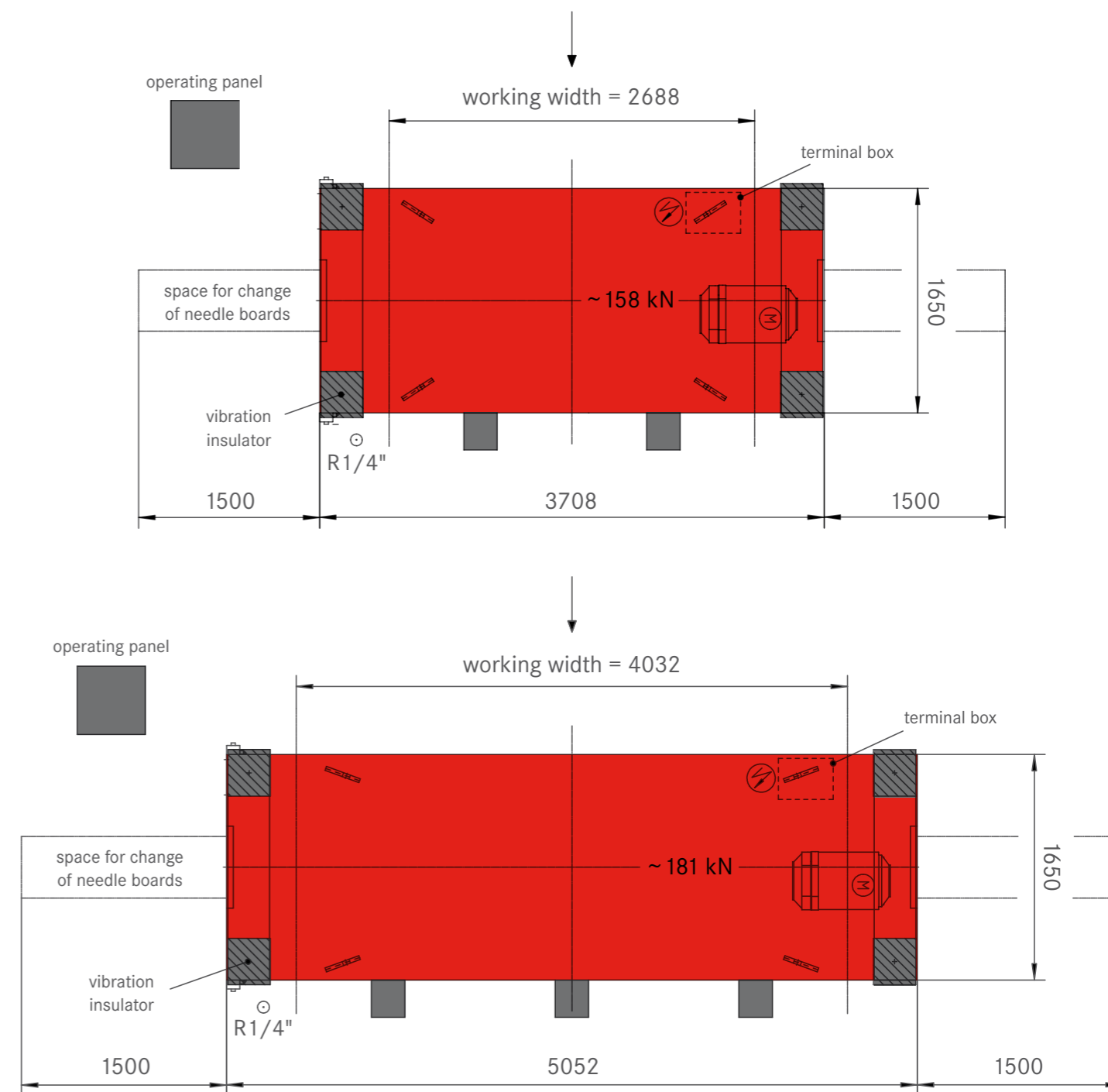


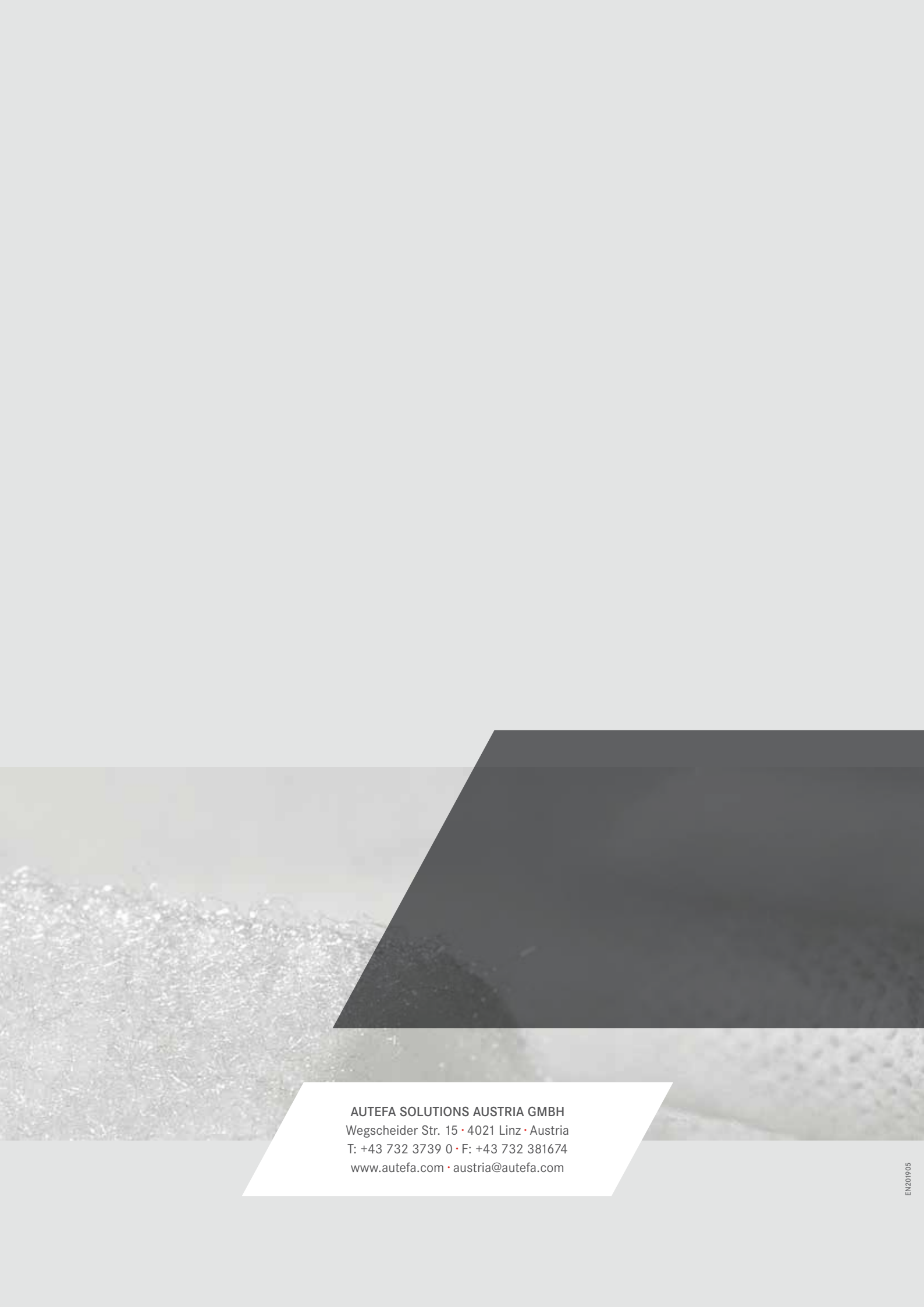
Applications:

- Artificial leather
- Automotive felts
- Carpets and carpet backings
- Insulation materials for thermal and noise insulation
- Fabric needling
- Technical Felts
- Blankets (needled)
- Clothing and furniture



Footprint:





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