

Engineering
the machines
for the
transformer
industry



**WE ARE ALWAYS
GIVING FOCUS
ON TECHNICAL
PERFECTION**



Engineering the machines for the transformer industry

More than 30 years experience in equipment for the transformer core manufacturing – SOENEN by Motus Handling is considered to be one of the leading suppliers in machinery for the electric industry.

- Slitting lines for grain oriented silicon steel
- Cutting and stacking lines for distribution and power transformer cores.
- Handling systems to achieve an efficient core assembly

The company was founded in 1924 by Romain Soenen. Since 2016, the company became a member of the Valtech Holding. This is a group of 12 companies mainly focused on machine construction and project oriented business. Our group is 100% family owned and all activities are centralized in West Flanders, the Flemish part of Belgium.

SOENEN by Motus Handling has customers in more than 60 countries, worldwide. Together with our local partners, we give focus on excellent support to our customers.

A brilliant market position

SOENEN cut-to-length lines and slitting lines stand for the high standards involving quality, accuracy and performances. From modular concepts to customer-oriented solutions. We are always giving focus on technical perfection, excellent product quality and efficiency.

Innovation is our main drive and sustainable partnerships stays our main goal. We equally stress the importance of optimizing and modernizing your existing production equipment.

Cutting & slitting lines: the authority in cut-to-length & slitting lines

We deliver state-of-the-art equipment with the highest quality and performance standards designed with respect to the needs of our customers. Our lines combine excellent speed and accuracies.

Transformer Cutting

Soenen is one of the market leaders for silicon steel cut-to-length lines for transformer lamination. The sequence of cutting, notching and stacking is a complicated production process due to the high speeds, the start-stop movements, and the use of very delicate material (silicon metal sheets 0.18 – 0.5 mm thick). But the outcome is always the same - laminations impeccably cut with no sheet damage and no burr.

Special Cutting

The demand for cutting lines in the service industry is steadily growing. Especially the automotive sector has an important need for precut trapezium-shaped plates. Our production

lines are equipped with electric swivel shears, which cut the steel sheets into precut plates. We manufacture lines that can handle 120 meters of coil per minute and accurately measure to 0.1 mm. Soenen has built cutting lines for Tata Steel and Arcelor Mittal.

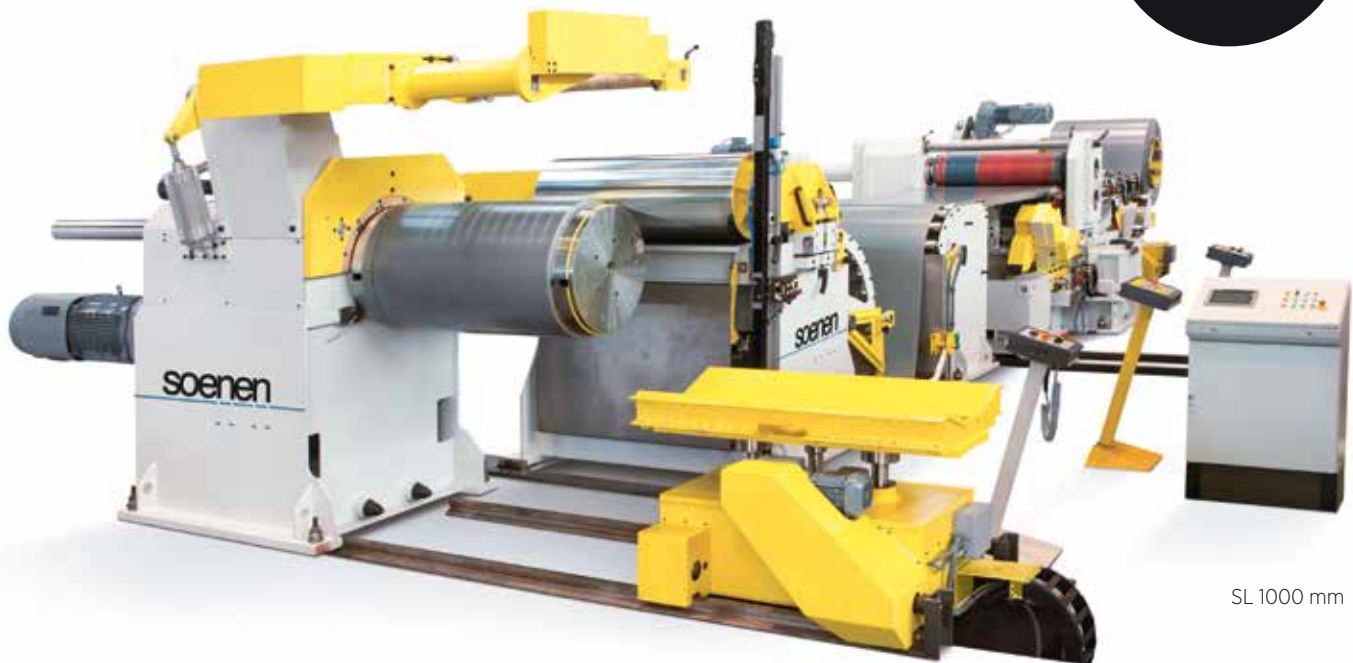
Since more than 90 years, we are passionate by machine construction! Worldwide representation with reference in more than 60 countries.

Slitting

Soenen slitting lines for Grain Oriented Silicon Steel ensure a slitting process with the highest standards involving burr values and width accuracy. Carbide knives are used to achieve the highest slitting quality that is required for Grain Oriented Silicon Steel.

SLITTING LINES

AN
ACCURACY
OF 0.1 MM



SL 1000 mm

For the transformer industry, Soenen also builds slitting lines. A Soenen slitting line processes 200 m silicon steel per minute with an accuracy of 0.1 mm. Our lines can slit coils that vary between 300 and 1250 mm. The strips are recoiled with high accuracy and the right tension.

Specifications

- material: silicon steel
- width: 20 - 1,250 mm
- slit coils: 0,18 - 0,5 mm
- width precision: 0,1 mm
- speed: 200 m/min
- coils: up to 6 ton

CUT-TO-LENGTH LINES

HIGHEST
QUALITY



TRL 400 mm – seq 5

Soenen produces a versatile range of cut to length lines for the production of low loss transformer cores. Soenen lines achieve the highest quality in terms of feeding precision, speed and accuracy. They are designed and built for maximum availability and long-term reliability at the market's most competitive prices.

The available options range from budget-friendly models for each sheet characteristic to high-speed models where cutting capacities of up to 180 sheets per minute can be achieved. We also offer a high degree of flexibility in cutting table configurations and customized solutions in terms of

coil handling, decoiling, and sheet stacking. Our stacking installations vary from simple sheet stopping systems to complementary and sequential stacking.

In order to make the manufacturing of a transformer E-core more efficient, faster and accurate, we developed a concept for in-line and off-line E-stacking systems. The first one is a high precision placing unit, positioned behind a new or existing core cutting line, while the latter is a compact, stand-alone pick and place unit. Sheets are picked from irregular stacks and accurately placed in an E-shape.



Specifications

- high level of automation
 - high capacity cutting with a minimum of burr and no sheet damage
 - maximal scrap reduction
 - exact sheet lengths
 - high quality components
 - 18" wide multi-touchscreen
 - ergonomic, straightforward, and easy to operate via our touch panel
- sound level: ± 80 db
 - high torque direct drive feeder (for the highest accuracy possible)
 - short start-up periods
 - high speed controller
 - belts containing stainless steel wire: extra strong, cannot be cut by laminations
 - low maintenance cost

USER-FRIENDLY HMI



**CONTACT
US NOW!**



TRAINING AND SERVICE TEAM

One team, one goal. Assuring maximum availability for maximum production performance. SOENEN makes this possible by offering different levels of service models, adapted to the needs of our customers:

- intensive training
- customized service & maintenance contracts
- diagnostic systems with visualization tools
- secured remote service system
- direct access service number
- international support team

CONTACT

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