

Motion Control Lexium PAC

Marking machine

In this application, metal plates are drilled at the four corners, then marked according to a defined pattern. The marking profiles are designed on the user interface of the Lexium Controller, saved in the memory and then executed.

Other areas of application: printing, sewing, cutting, etc.



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Leverage
ingenuity
and intelligence
for **ease of use**

Benefits

- Simplified design of complex profiles
- Flexibility (profiles can be changed during process)
- High precision
- Excellent price/performance ratio

The efficiency of Telemecanique branded *solutions*

Used in combination, Telemecanique products provide quality solutions, meeting all your **Automation** and **Control** applications requirements.



Lexium Controller and its integrated software solution



Lexium 15: 1.5 to 70 A eff
Motors BSH: 0.5 to 90 Nm
Motors BDH: 0.18 to 53 Nm



Lexium 05: 4 to 25 A eff
Motors BSH: 0.5 to 36 Nm

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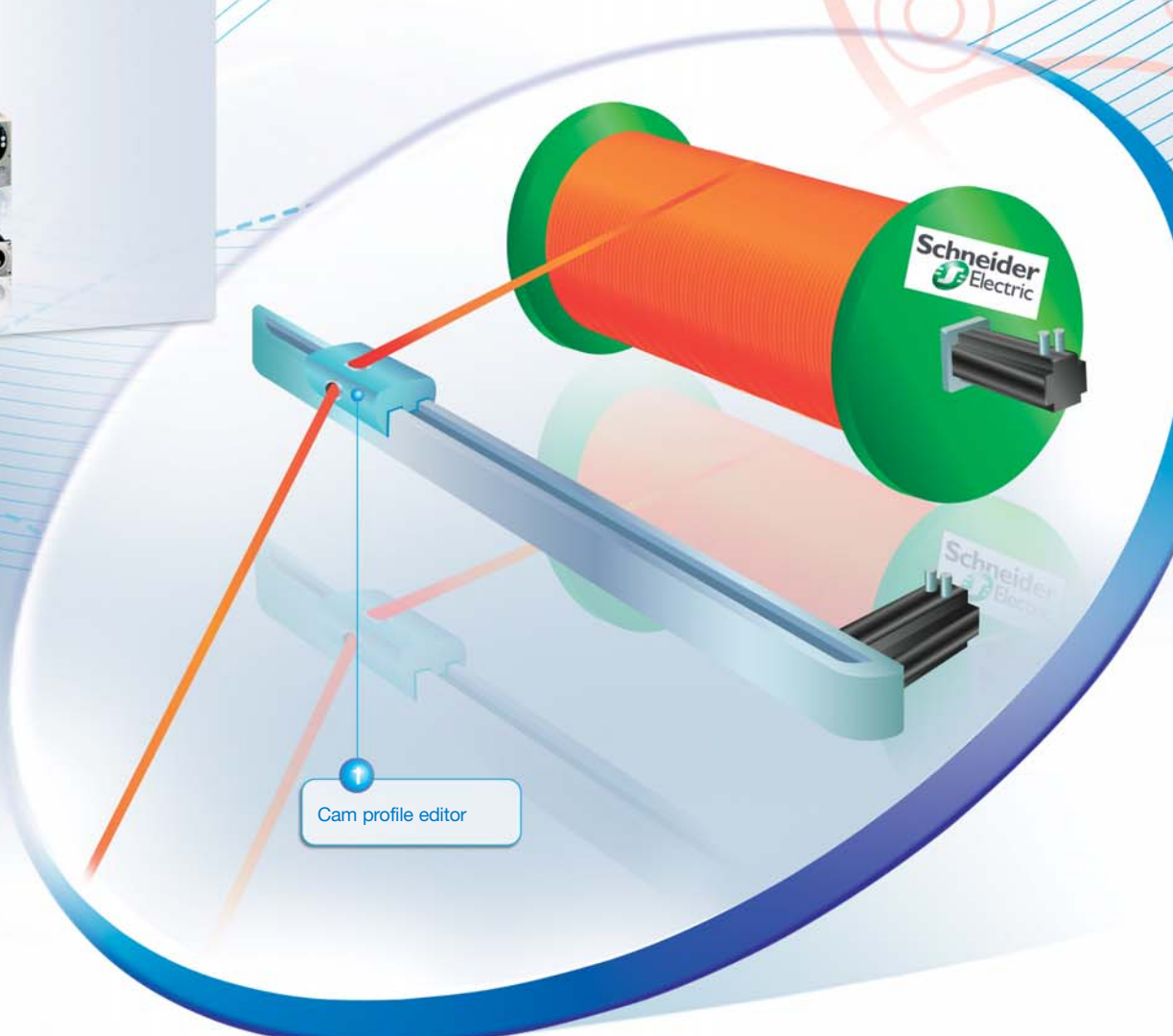
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Wire *winder*

On a wire winder, the spooling applications allow you to form reels according to a precise winding profile. The machine is composed of two axes controlled by servomotors. The first axis allows the reel to be wound at different speeds and with controlled tension (constant or according to a tension rule). The second axis controls the linear motion of the wire guide depending on the speed of the master axis and according to the defined profile.



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Benefits

- High speed of execution
- More easily flexible machines (reel profile, materials, etc.)
- Simplified design (function blocks)

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Multifiber cable *manufacturing* machine

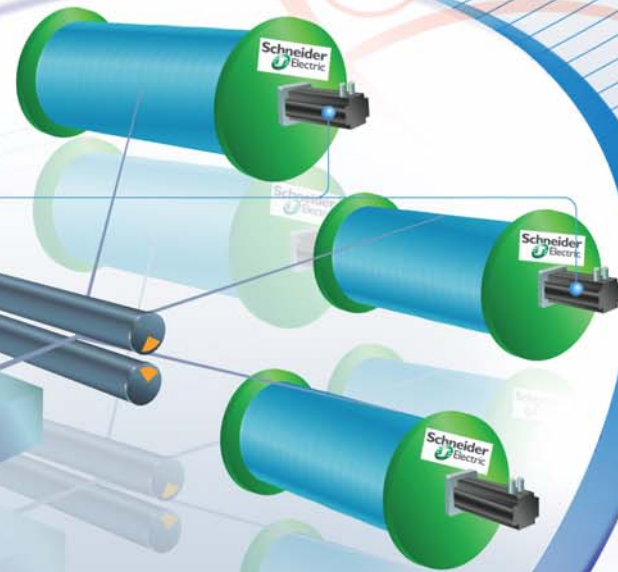
This machine is used to assemble and cut multifiber cables. The fibers are unwound, assembled and sheathed by extrusion. A rotary knife then cuts the cable to the desired length. The tensions of the fibers are controlled and adjusted throughout the whole process.



«Rotary knife» function for cutting to length

Control of fiber tension by adjusting the torque or the speed

«Electronic gearing» function for synchronizing the rolls with master roll



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Benefits

- Continuous processes become accessible
- High cycle rates
- Multiple choice of cutting length
- Simplified design (function blocks)

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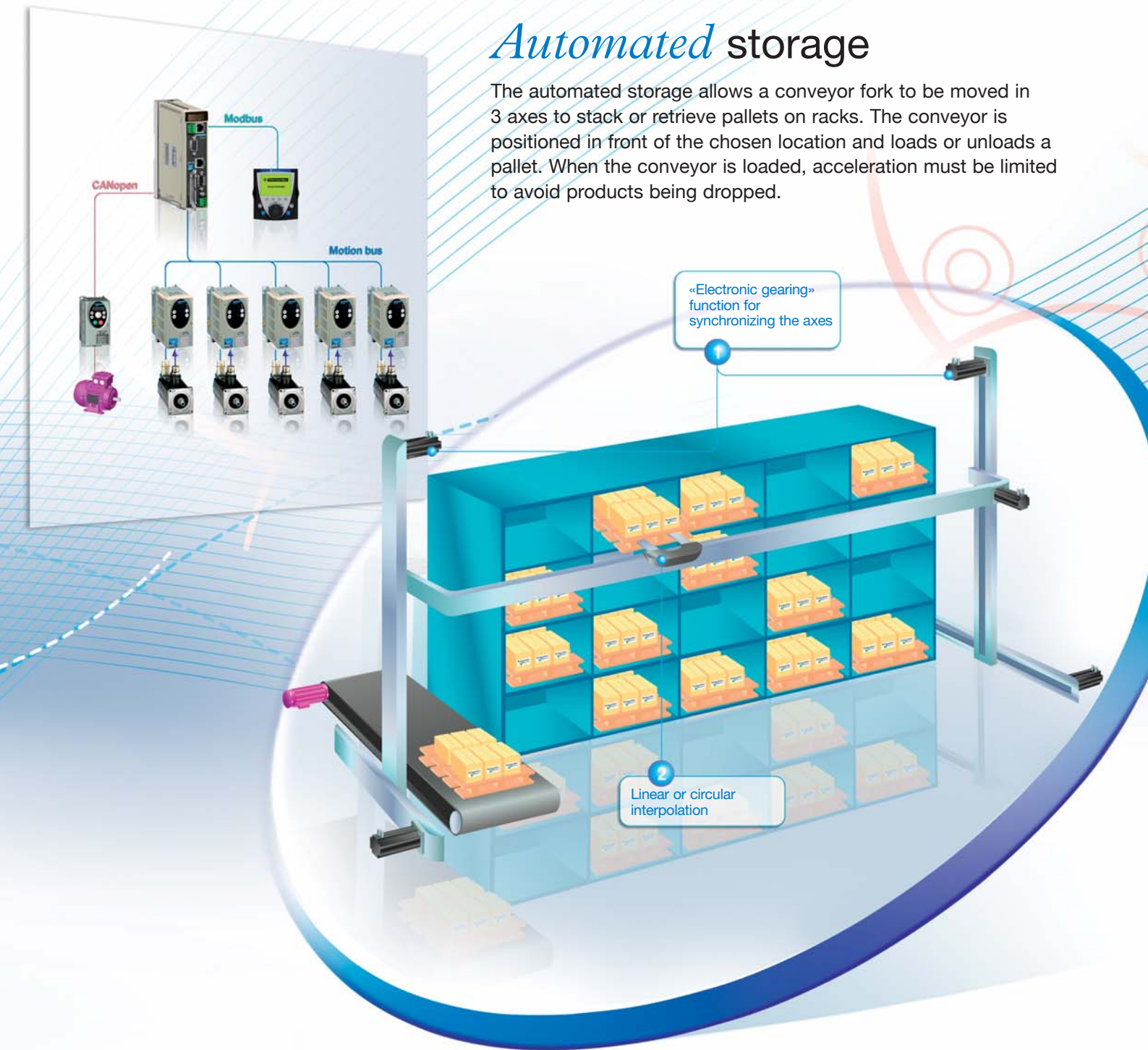
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Automated storage

The automated storage allows a conveyor fork to be moved in 3 axes to stack or retrieve pallets on racks. The conveyor is positioned in front of the chosen location and loads or unloads a pallet. When the conveyor is loaded, acceleration must be limited to avoid products being dropped.



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Benefits

- High-speed movements
- Precise positioning
- Control of speed profiles

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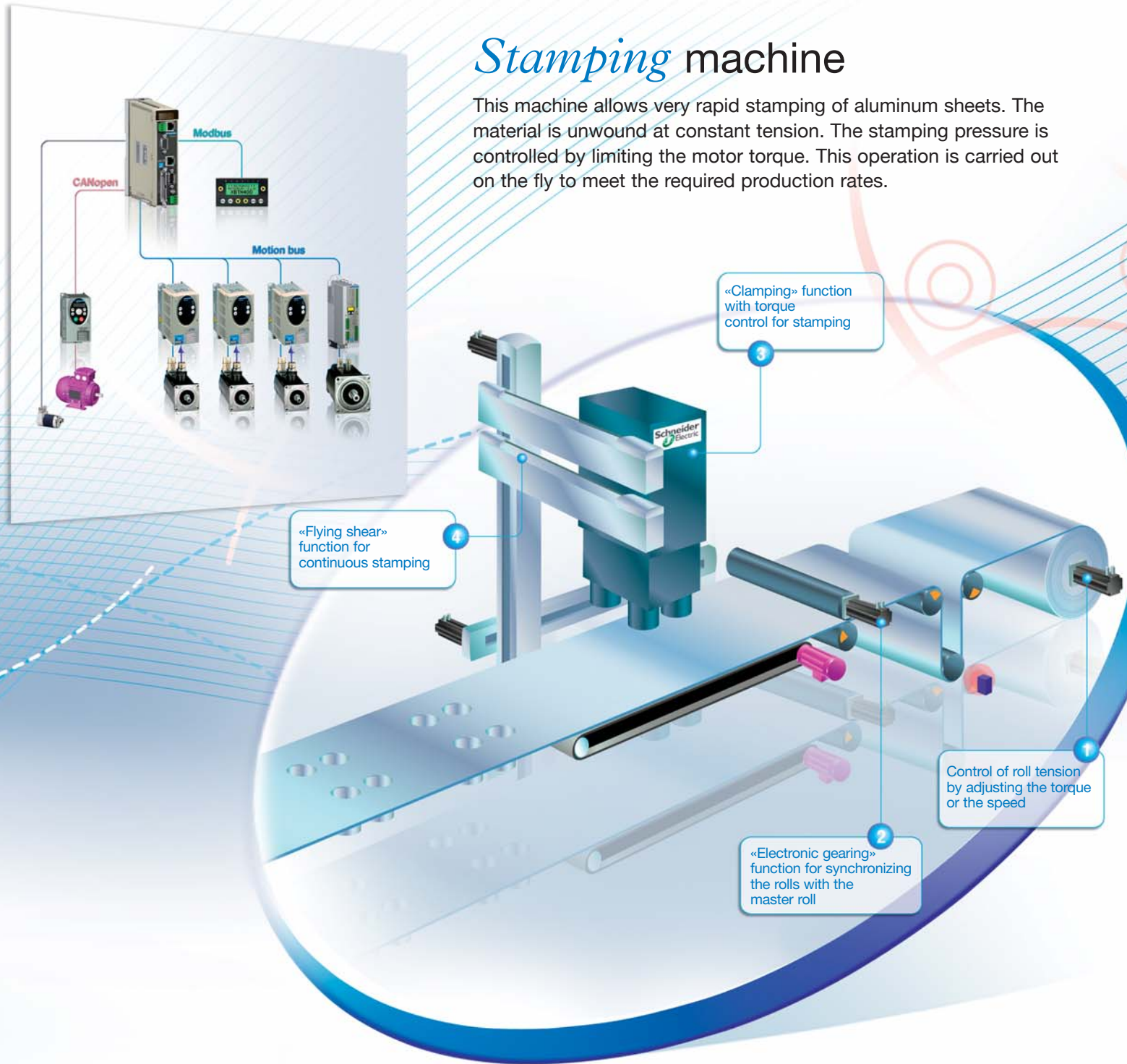
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Stamping machine

This machine allows very rapid stamping of aluminum sheets. The material is unwound at constant tension. The stamping pressure is controlled by limiting the motor torque. This operation is carried out on the fly to meet the required production rates.



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Benefits

- Continuous processes become accessible
- High cycle rates
- High-precision stamping
- Simplified design (function blocks)

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Bottling line

This machine is for filling and capping bottles. The bottles arrive randomly and are grouped by an intelligent belt system. They are then filled and capped on the fly to increase the rate of operation.



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