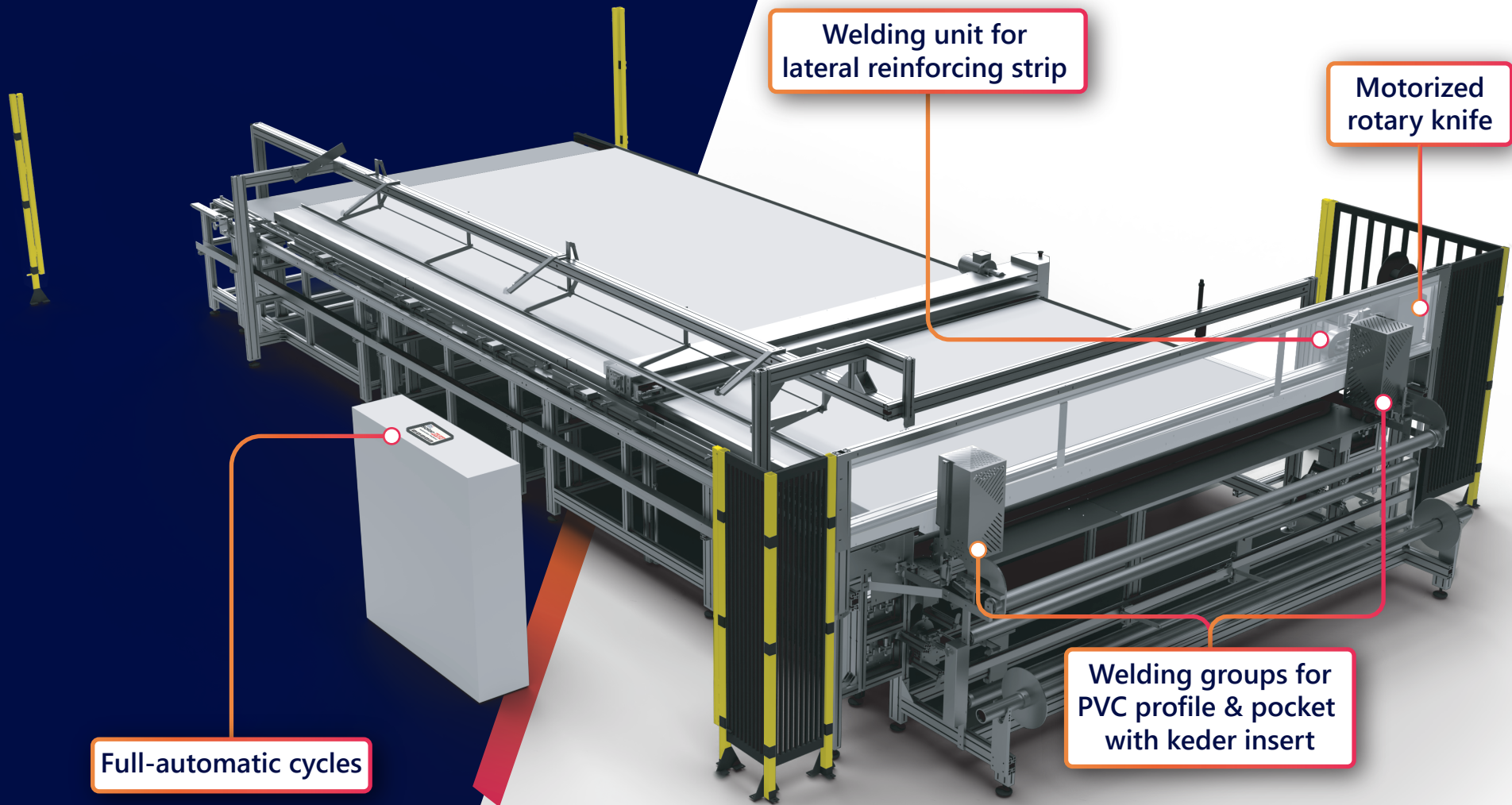


# SM-520-ZA

Revolutionary production concept



Welding unit for lateral reinforcing strip

Motorized rotary knife

Welding groups for PVC profile & pocket with keder insert

Full-automatic cycles

Watch the video to discover more



# The Insect Screen Machine

The SM-520-ZA is considered a breakthrough in the automated production of custom-sized retractable insect screens—the first and only machine in the world that manufacture quality screens ready for installation in a continuous cycle.

The SM-520-ZA is specialized in the production of 6-meter wide insect screens, but can also be used to create custom-sized screens. Just like the SM-500-ZA, **it carries out multiple steps in the production process simultaneously**, resulting in **significant reduction** of needed **manpower** and **manufacturing time**.

The machine pulls the screen from the roll, trims the left and right edges, welds the lateral reinforcing strip, applies the coextruded profile to the top of the screen, and the pocket with keder insert to the bottom. The cross-cut is made at the programmed length and the screen is rolled up on the aluminum bar. Finally, the rolled-up screen is inserted in the box, while simultaneously the handgrip is attached.

Its variety of tools and accessories and its sturdy modular structure make the SM-520-ZA by far the most complete and efficient manufacturing solution for quality 6-meter profiles and custom-sized retractable insect screens available on the market today. The SM-520-ZA will **produce a ready-to-use 6-meter insect screen**, perfectly cut and welded, rolled up on the aluminum tube and inserted in the box in a **record-breaking 2 minutes and 48 seconds**.

## Technical Specifications

Description	SM-520-ZA
Screen width	up to 3,0 m
Screen length	up to 6,0 m
Welding speed	up to 6 m/min.
Diagonal tolerance the of finished product	+/- 2 mm



## Tools & Accessories

- Welding head for pocket with keder insert
- Welding head for the coextruded PVC profile
- Welding head for the lateral reinforcing strip
- Cutting units with electrically driven rotating cutting blade to trim the screen edges
- Motorized rotary blade with pentagonal blade to cross-cut the screen off the roll
- Pneumatic mechanism for the automatic positioning of a new aluminum bar
- System for the semi-automatic insertion of the rolled-up insect screen in the box and the automatic attachment of the lower hand grip
- Router for long distance diagnosis, technical assistance and installation of upgrades.

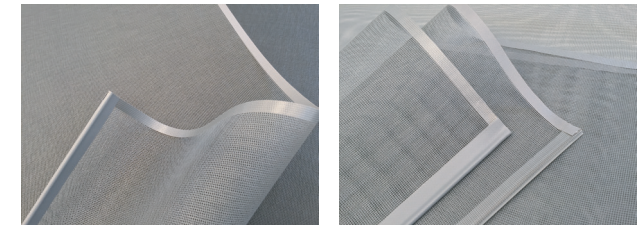
**1** Elevated production output

**2** Superior welding quality

**3** Easy to operate

## Applications

Custom-made insect screens



6 meter profiles insect screens

