

ZEUS is the world's first and only fully automatic machine for complete SEG (Silicone Edge Graphics) production. It automates the entire sewing process – precise, repeatable, and without any manual material handling.

The fabric is clamped into two clamps and the start command is activated. From that point on, ZEUS takes full control of the process:

- Automatic feeding of the fabric onto the table
- Fully automatic rotation of the fabric on all four sides
- Precise sewing of the SEG around the entire perimeter
- No manual guiding of the fabric required

- ➔ No operator needed to handle the material
- ➔ Consistent quality for every job

Highest Precision & Dimensional Accuracy

Thanks to controlled fabric handling and perfectly matched parameters, tolerances remain fully under control. The textile does not distort and keeps its exact dimensions after sewing – ensuring perfectly tensioned SEG frame systems.

Two Machine Sizes ZEUS is available in two versions:

- 3 × 3 m for standard SEG frame systems
- 5 × 5 m for large-format SEG applications

Professional Sewing Technology & Automatic SEG Feeding

Equipped with a Pegasus overlock sewing head and an automatic SEG feeding system, ZEUS processes all common SEG sizes fully automatically and without manual adjustments.

Material Database, QR Code & Touchscreen Control

All materials and parameters are stored in an integrated material database. Material selection can be done either via:

- QR code scan,
- or directly via the touchscreen

ZEUS automatically recognizes the fabric type, SEG size, and optimal settings – ensuring perfect results at the push of a button.

Statistics, Operator Performance & Service 4.0

ZEUS includes an integrated statistics and analysis system:

- Exact production time per job
- Assignment of each job to the responsible operator
- Full transparency of production performance

With Service 4.0 integration, ZEUS is fully prepared for modern, connected production environments.

