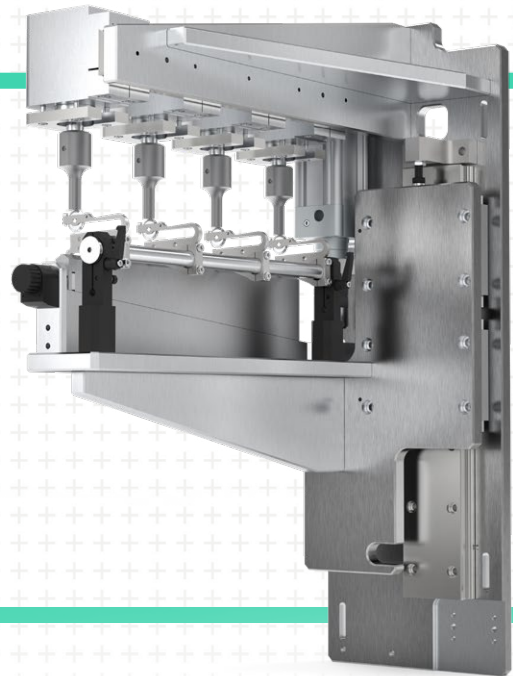


**FOCUS ON THE SYSTEM**

**Module for cutting and  
edge fiber welding  
(cut & seal):  
MS sonxSYS SEAL slit**



The multifunctional high-performance cutting system, for cutting and simultaneous edge fiber welding, performs two work steps in one. The cut edges remain clean and aesthetically pleasing.

The MS sonxSYS SEAL slit ultrasonic module makes efficient processing of films, paper composites, non-wovens and other textiles for your applications precise and efficient.

The compact and easily integrated module consists of a resonant unit and a spring-loaded anvil. The sonotrode is driven by our fully digital MS sonxGEN continuous sonic generator.

**BENEFITS**

- + Compact, easy to integrate module for continuous cut, seal or cut & seal processes, various adjustment and alignment options, can be washed down
- + Modular delivery capability from the components to the complete system
- + Longer service life of the module due to low-wear, stable flexure bearing
- + Environmentally friendly technology, as it is more energy-efficient and faster compared to thermal processes, Industry 4.0 standards in communication, complete monitoring of process parameters during production
- + Problem-free start-stop behavior in the process, anvils through cutter wheel adjustment for multiple use
- + Immediate availability when switched-on, no heat influence on the product to be packaged due to cold welding tools
- + Optimal for nonwovens, textiles, films and also suitable for new multilayer monolaminates
- + Cut edges are firm, smooth, lint-free but not sharp-edged (even at high process speeds), single or multiple layers



## APPLICATION EXAMPLES

- + Webbing
- + Protective covers
- + Velcro fasteners
- + Imitation leather parts
- + Tubular bag packaging
- + Foil packaging
- + Textile labels
- + Bed linen and pillows
- + Awning fabric
- + Blinds
- + Elastic straps for glasses
- + Activated carbon filters
- + Filters
- + Bandages
- + Absorbent inserts
- + Respirators
- + Wound compresses
- + Medical compresses

## VARIANTS



Individual module



Multiple module (can be extended as required)

## TECHNICAL DATA

|                        |  |
|------------------------|--|
| Operating frequency    | 35 kHz                                   |
| Power                  | 700 W (continuous), 1,000 W peak power   |
| Parameterization       | Amplitude, force                         |
| Process control        | Power                                    |
| Installation situation | horizontal, vertical                     |
| Sonotrode material     | titanium or steel (hardened and coated)  |
| Anvil                  | exchangeable; stainless steel (hardened) |

## OPTIONS

|                     |   |
|---------------------|---|
| MS sonxANA Software | Fast on-site analysis and parameterization on a Windows-enabled tablet or notebook computer |
| Interfaces          | ProfiNet I/O, EtherNet I/P, EtherCAT  |

