

1

TECHNOLOGY

- + **Ultrasonic system from a single source**
Ultrasonic, control technology, mechanical engineering and engraving rollers – from a single source, robust mechanical engineering, high process speeds
- + **Servo technology – precise, dynamic and energy-efficient**
Outstanding control characteristics with minimal response times
- + **Retrofitting**
Replacement of existing systems or obsolete technologies in existing systems
- + **Patented flexure bearing**
No lubrication stroke necessary due to lower stress on the bearings
- + **Remote maintenance**
Optimal support possible through remote access
- + **Connectivity**
Industry 4.0 – digital networking and communication, interface management via various bus systems

2

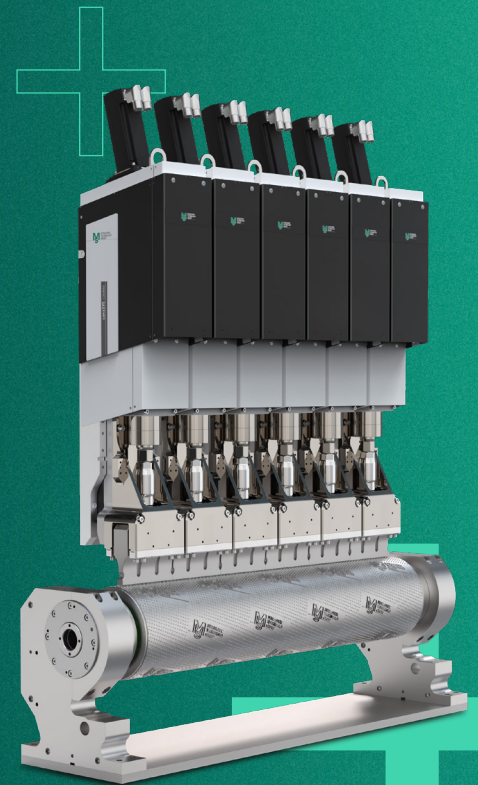
USER FRIENDLINESS

- + **Process visualization**
Optimum analysis and evaluation of process data during setup thanks to integrated software oscilloscope
- + **Avoidance of operating errors and manipulation**
Traceability of all parameters to prevent operating errors and tampering using MS Trace
- + **User-friendly HMI**
System setup with handheld control, maximum ergonomics, hot-plugging capability, network-compatible visualization
- + **Automated working point determination**
Automatic determination of the optimum working point to save time and minimize errors

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SAVINGS POTENTIAL

- + **Increased productivity**
Increased efficiency due to immediate availability as soon as it is switched on compared to other joining processes
- + **Energy saving**
No preheating of rollers required, no radiant heat
- + **Reduction in operating costs**
Monetary savings potential compared to other joining processes
- + **Environmentally friendly by dispensing with “chemicals”**
No additional material (e.g. adhesive) required, therefore environmentally friendly and allergy-friendly



**3 (+ more) reasons
for purchasing an
MS sonxSYS
COMBINE system**