



JENTSCHMANN AG

Weldsonic Solo

SINGLE-STATION FLATBED
ULTRASONIC
WELDING MACHINE



PRODUCT DESCRIPTION

Weldsonic Solo

The Weldsonic Solo is an ultrasonic welding machine capable of processing straight and/or slightly curved thermoplastic materials.

With the aid of hot-melt adhesive tapes, non-thermoplastic materials can also be processed, as the ultrasonic energy 'activates' the adhesive and bonds the materials together.

Application-specific options are available to ensure a stable and reproducible process.



STANDARD EQUIPMENT

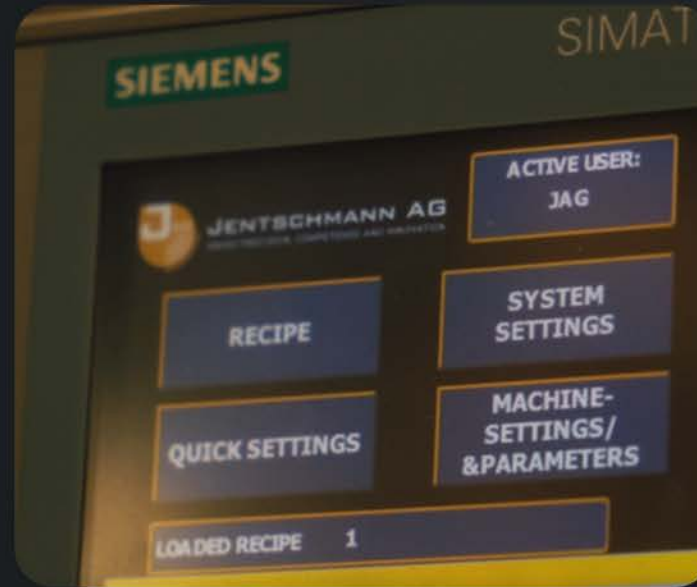
Subject to technical changes

Weldsonic Solo



START/STOP VIA FOOT PEDAL

To operate the machine efficiently whilst keeping your hands free, the welding process is started and stopped using a foot pedal.



MODERN HMI

The machine features a 4.3-inch touchscreen display with a resolution of 480 x 272 and a modern UI design.



REMOTE ACCESS

Service engineers can access the machine control system directly when necessary, analyse faults quickly and resolve many issues without the need for an on-site visit. This reduces downtime and ensures rapid support.

OPTIONAL EQUIPMENT

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Weldsonic Solo



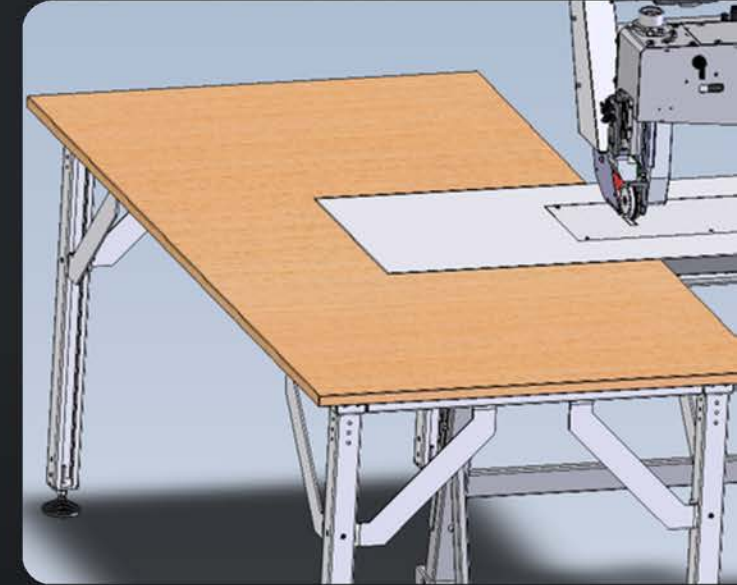
CUT&WELD FUNCTION

Ultrasonic welding and cutting in a single operation.



PULLER

When working with heavy materials, the puller ensures continuous material feed, thereby guaranteeing a consistent seam quality.



ASSEMBLY TABLE

If the Weldsonic Solo's work surface is not large enough, it can be extended with an add-on. Various sizes are available.

ANVIL WHEELS

Subject to technical changes

Weldsonic Solo



2 SEAM SQUARED

PROFILE	WELDING WIDTH	PART NO.
	7.5 MM	



3 SEAM SQUARED

PROFILE	WELDING WIDTH	PART NO.
	7.5 MM	



ARENEN

PROFILE	WELDING WIDTH	PART NO.
	10.0 MM	342 442-01



DIAGONAL

PROFILE	WELDING WIDTH	PART NO.
	5.0 MM	35463502



DOUBLE SEAM IMITATION

PROFILE	WELDING WIDTH	PART NO.
	3.0 MM	35463501



SINGLE SEAM IMITATION

PROFILE	WELDING WIDTH	PART NO.
	1.0 MM	35463500



FISHBONE SMALL

PROFILE	WELDING WIDTH	PART NO.
	3.5 MM	

SPECIAL FEATURES

Subject to technical changes

Weldsonic Solo

YOUR BENEFITS

- Ultrasonic welding and cutting **in a single operation**
- Adjustable **welding parameters**
- Start/stop via **foot pedal**
- **Two independently controllable drives** for the sonotrode and anvil roller
- Welding head made from **solid sheet steel**
- **Very low energy consumption** with no power peaks
- **Environmentally friendly, no microwaves or emissions**

TECHNICAL SPECIFICATIONS

Subject to technical changes

Weldsonic Solo

GENERAL INFORMATION

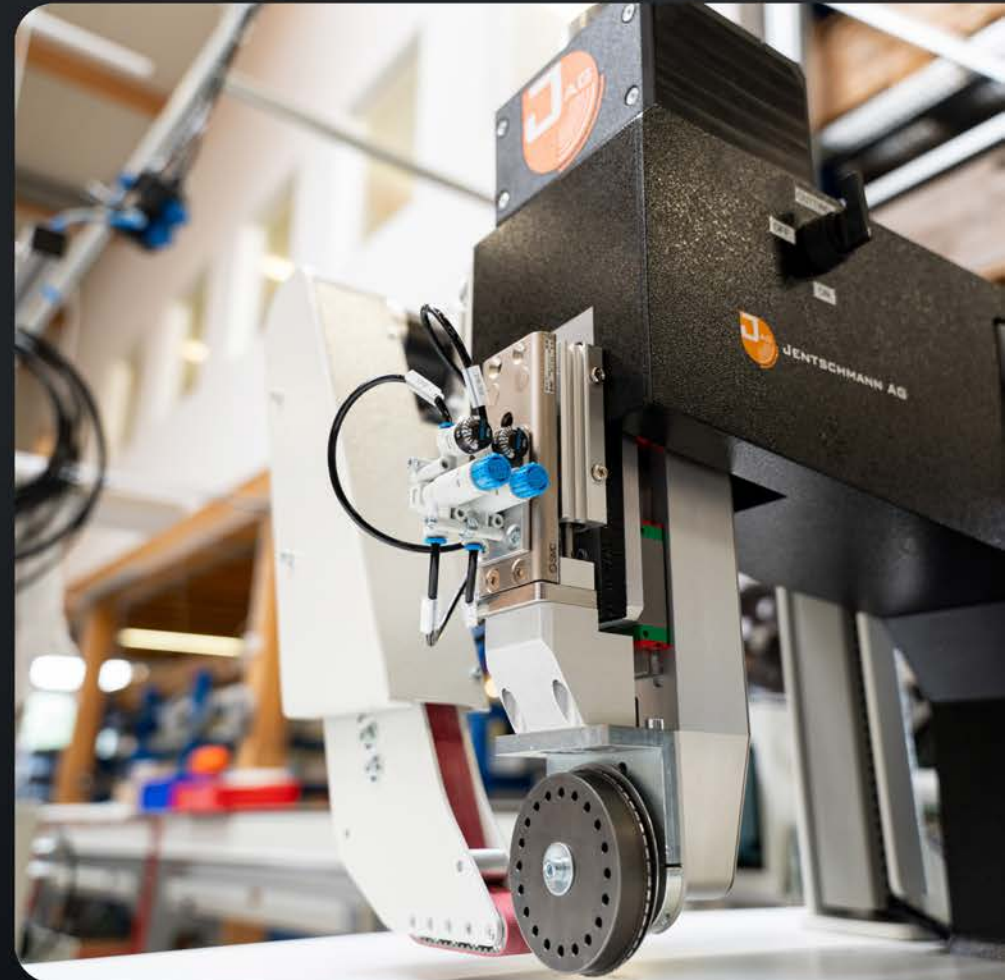
Welding head made from a solid sheet steel welded construction

Ultrasonic:	35 kHz, 600 W generator
Welding speed:	up to 20 m/min
Welding widths:	11 mm (standard)
Clearance:	355 mm

PB Control™ for monitoring the preset welding power throughout the entire welding process.

Sonotrode and anvil roller with 2 separate, independently controllable drives.

Input and recall of an unlimited number of welding parameter sets via the screen with automatic machine adjustment.



TECHNICAL SPECIFICATIONS

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Weldsonic Solo

TYPES OF FABRIC

Thermoplastic fabrics such as polyester, polypropylene, polyaramide, etc.

DIMENSIONS, WEIGHT AND CONNECTION DETAILS

Height: 1,393 mm (working height 900 mm)

Width: 600 mm

Length: 1,500 mm

Weight: approx. 110 kg

Electrical power: Single-phase 230 V / 10 A / 50 Hz

Pneumatics: Ø 8 mm, steady 6 bar, dry, oil-free, **Class o**, 100 l/min

TECHNICAL SPECIFICATIONS DRAWING

Weldsonic Solo

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