



**WEBER
ULTRASONICS**

SONOPOWER TEXTILE



SONOPOWER TEXTILE

THE REVOLUTIONARY SOLUTION FOR PRETREATING AND FINISHING TEXTILES WITH ULTRASOUND

- › **PERFECT RESULT**
Homogeneous and without streaks.
- › **HIGH PROCESS RELIABILITY**
Long-life, robust technology for demanding continuous operation.
- › **ECONOMICAL**
Efficient and fast inline treatment for washing, pretreating, and finishing in a small space.
- › **GENTLE ON RESOURCES AND THE ENVIRONMENT**
Textile treatment with ultrasound requires less energy, water, and fewer chemicals.



Up to 3,000 W
POWER OUTPUT



SCAN/SWEEP/AMPLITUDE
PATENT-PENDING FUNCTIONS



25 kHz
FREQUENCY



**Gentle on resources
and the environment**

SONOPOWER TEXTILE

ENVIRONMENTALLY FRIENDLY, EFFICIENT, RELIABLE

Whether for clothing or technical applications, textiles pass through various treatment processes during their production, such as desizing, mercerizing, or waterproofing, with upstream or interim washup procedures. Using the innovative ultrasonic solution SonoPower Textile can significantly reduce chemical, water, and energy consumption in all these processes – with better results in less time. The ultrasonic solution can also be integrated into existing finishing plants and enables the textiles to be treated inline in the finishing process.

SonoPower Textile is suitable for wet-chemical treatment of taut web materials like knitted fabric, woven fabric, nonwovens, and laminates.

MATERIALS

- Cotton, natural fibers
- Synthetic fibers
- Elastic fabrics
- Technical textiles
- Nonwovens

AREAS OF APPLICATION

- Washing/desizing
- Waterproofing
- Bleaching
- Mercerizing
- Dying
- Treating
- Coating

THE BENEFITS AT A GLANCE

> PERFECT RESULTS

Homogeneous, streak-free finish, even with elastic materials

> HIGH PROCESS RELIABILITY

Long-life and robust hardware designed for uninterrupted continuous operation

> SHORTER CLEANING TIME

Enabled due to the mechanical effect of the ultrasound on the fabric

> SAVES RESOURCES

Up to 50% less energy, water, and fewer chemicals required

> REDUCTION OF THE PLANT LENGTH

Space savings of up to 60% possible



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THE OPTIMUM SYSTEM FOR EVERY FABRIC WIDTH

Fabric width mm	Number of transducers	Power output W per ultrasonic transducer			
		1,500 W	2,000 W	2,500 W	3,000 W
1200	1	✓	✓		✓
1800	1			✓	✓
2000	2	✓	✓		✓
2200	2	✓	✓	✓	✓
2400	2		✓	✓	
2600	2		✓	✓	✓
2800	2		✓	✓	✓
3000	2		✓	✓	✓
3200	2		✓	✓	✓

Custom sizes upon request

TECHNICAL DATA

GENERATOR SONOPOWER 3S

- Power consumption at idle (without fan): 5 W
- Power consumption at ultrasonic output up to 3,500 VA (230 V models) or up to 2,500 VA (115 V models)
- Mains voltage at nominal power output: 215-240 V AC (230 V models), 107-135 V AC (115 V models), 90-135 V AC (115 V models)
- Mains voltage, operating range: 195-260 V AC (230 V models), 90-135 V AC (115 V models)
- Mains frequency: 50-60 Hz
- Mains connection IEC-60320 C19
- Output voltage [HF]: up to 450 V (depending on version)
- Power consumption up to 20 A (depending on version)
- Output current [HF]: up to 14 A (depending on version)
- Ambient temperature operating range: 0 °C to 40 °C non-condensing
- Ambient temperature for storage: up to 65 °C non-condensing
- Weight: 6.5 kg
- H x W x D: 134 x 325 x 265 mm

INTERFACE OPTIONS:

- Profibus
- Profinet
- Ethercat
- Modbus-TCP

TRANSDUCER SYSTEM

- Plate transducer with welding frame, including cover
- Material: 1.4462
- Material thickness 3 mm

