



WEBER ULTRASONICS



SIMPLYMASK SYSTEM

THE COMPLETE SOLUTION FOR WELDING PROTECTIVE MASKS WITH ULTRASOUND

- › **INDIVIDUAL WELD JOINT DESIGN**
The seam design complies with customer-specific requirements.
- › **HIGH WELD JOINT QUALITY**
Smooth, straight edges and soft, skin-friendly surfaces in combination with perfectly durable seams.
- › **READY TO USE**
The SimplyMask System promises: Plug in, switch on, produce.
- › **GENTLE ON RESOURCES AND THE ENVIRONMENT**
Welding with ultrasound requires little power and no additional chemicals.



Up to 2,000 W
POWER OUTPUT



20 / 35 kHz
FREQUENCY



Plug & Play



**Gentle on resources
& the environment**

SIMPLYMASK SYSTEM

FAST, SAFE, CLEAN

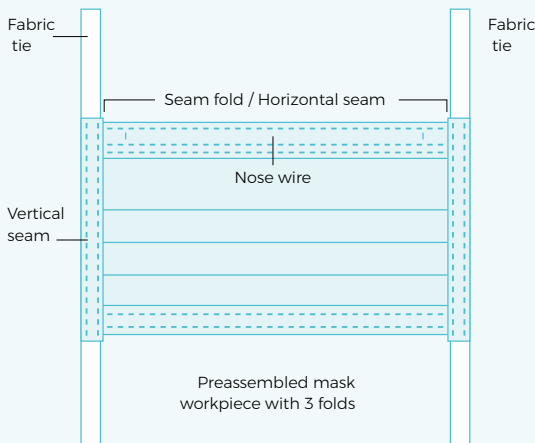
The SimplyMask System complete solution is suitable for all thermoplastic materials such as polypropylene (PP) or polyethylene (PE) fabric. Layers of fabric up to an overall thickness of 4 mm can be welded.

The weld joints are designed specifically for each application. Excellent seam tightness, smooth and straight edges, and the ability to weld even elastic materials easily are enough to win over even the most demanding of users. Processing with ultrasound allows the fabric to retain its soft, wearable structure, which is necessary especially in sensitive areas like the face.

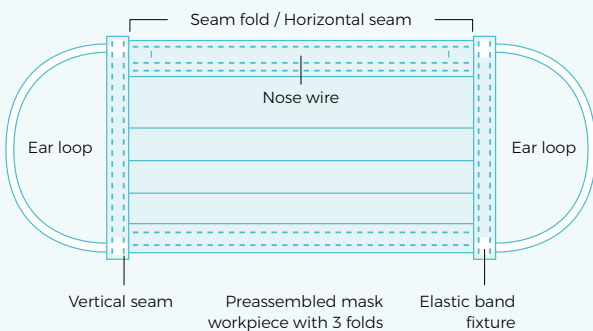
The SonoTool Duplex 35 perfectly complements the SimplyMask System in fastening elastic ear loops. The duplex function allows the working position to be rotated 90° with just a single adjustment.



1 MASK WITH FABRIC TIES



2 MASK WITH EAR LOOPS



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TECHNICAL DATA

SIMPLYMASK SYSTEM 20/35 SYSTEM DESIGN

- Aluminum table frame
- Adjustable leveling plate
- Anvil with seam dimensions and stop, titanium, length 150/110 mm
- Pneumatic feed unit
- Foot switch

PRODUCTION DATA

- Cycle time < 2 s per seam
- Compressed air: 9 l/min - 8 mm external diameter
- Input voltage: 230 V
- Dimensions (WxHxD):
350 mm x 802 mm x 350 mm
- Weight: 60 kg
- Max. welding material thickness: 4 mm

ULTRASONIC

SIMPLYMASK 20

- Converter 20 kHz, 5,000 Watt
- Booster 20 kHz, 1:1.5, titanium
- Sonotrode 20 kHz, MS 150/38/11.5, titanium
- Sonic Digital LC - Generator 20 kHz/2,000 Watt with MCU manual operating unit

SIMPLYMASK 35

- Converter 35 kHz, 1,000 Watt
- Booster 35 kHz, 1:2, titanium
- Sonotrode 35 kHz, MS 110/26/14, titanium
- Sonic Digital LC - Generator 35 kHz/1,000 Watt with MCU manual operating unit

OPTION: SONOTOOL DUPLEX 35

- 1,000 Watt power output
- Sonotrode 35 kHz, titanium
- Sonic Digital LC - Generator 35 kHz/1,000 Watt with MCU manual operating unit