



Product Sheet

PFAFF 8310-041002

Category: Welding machines

PFAFF 8310-042 – Precision welding for technical textiles

The PFAFF 8310-042 is a programmable ultrasonic machine with a bottom sonotrode, particularly suitable for filters, protective equipment and tubular materials. With electronic control, dynamic welding and a smart touch panel, it delivers high repeatability where traditional sewing is not enough.

- Welds with a bottom sonotrode – suitable for tubular parts
- Electronic control of power, pressure, speed and amplitude
- Dynamic welding – energy is adjusted according to speed

Product description

PFAFF 8310-042 – Ultrasonic welding from below with seamless control

The PFAFF 8310-042 is a programmable ultrasonic welding machine with a sonotrode positioned from below – ideal for welding filter tubes, protective equipment and other tubular or technical textiles. The machine combines electronic control of all parameters with dynamic welding, high repeatability and a smart touch panel. Perfect where sewing options are not enough.

Description

- Welds with sonotrode from below – suitable for tubular parts
- Electronic control of power, pressure, speed and amplitude
- Dynamic welding – energy is adjusted according to speed
- Separate drives for sonotrode and counterholder – no distorted seams
- Touch panel with SD card and USB for easy settings management

Technical Specification

Machine Specifications	
Ultrasonic frequency	35 kHz
Effect	400 W
Sewing width	1.0–10.0 mm
Welding/sealing speed	• 0.5–10 m/min • up to 20 m/min (optional)
Electrical connection	1-phase, 230 V, 50/60 Hz
Material support	• Sonotrode from below • Option for spot/tack welding • Diff feed with separate motors for sonotrode and wheel