



Product Sheet

PFAFF 8311 Long-arm

Category: Welding machines

PFAFF 8311 Long-arm – Ultrasonic welding for large materials

The PFAFF 8311 Long-arm builds on the 8311 technology but with 1,000 mm of arm clearance for bulky materials. The unique force monitoring is combined with double wheels, motor-driven knife and smart options such as lighting, cooling and laser marking. Perfect for technical textiles, protective clothing and automotive components.

- 1,000 mm arm clearance for large and bulky materials
- Measures and regulates welding force in real time – unique in the industry
- Dual wheels on separate axles – the cutting wheel can be controlled via touch panel

Product description

PFAFF 8311 Long-arm – Ultrasonic welding with full control and reach

The PFAFF 8311 Long-arm is a further development of PFAFF's innovative ultrasonic technology, now with 1,000 mm of arm freedom to handle large or bulky materials. The machine offers continuous monitoring and regulation of welding power – something completely unique in the industry. With features such as a dual wheel system, motorised knife, seam end detection and smart options such as lighting, cooling and laser marking, the 8311 Long-arm is a powerful tool for technical textiles, protective clothing and automotive components.

Description

- 1,000 mm arm clearance for large and bulky materials
- Measures and regulates welding force in real time – unique in the industry
- Dual wheels on separate axles – cutting wheel can be controlled via touch panel
- Touch screen with icon-based interface and parameter logging
- Optional extras such as motor puller, cooling, laser pointer and double lighting

Technical Specification

Machine Specifications	
Ultrasonic frequency	35 kHz
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
Model variants	• 8311-005/001 (C&S): • Welding and cutting in one step • Simple wheel system with micro-seam • Extremely small radius – ideal for curves • Can be taped with, for example, PFAFF 8303
Model variants	• 8311-105/001 (C&S; DUAL): • Double wheels on separate axles • The cutting wheel can be switched on/off via the touch panel • Approximately 1 mm distance between welding and cutting • Higher process reliability and adaptability