

PFAFF[®] Industrial

8301

Ultrasonic welding machine for continuous welding of flexible thermoplastic materials and nonwovens



The PFAFF 8301 uniquely combines all the physical advantages of ultrasonic welding with the whole range of technological sewing experience. On the PFAFF 8301 the workpiece is held between the sonotrode and the anvil wheel and welded continuously under pressure. When welding continuously by the ultrasonic method, the material to be welded will be subjected to rapid changing pressure vibrations. The heat develops because of molecular vibrations beneath the material surface, for thin materials within the immediate vicinity of the actual weld.

Features:

- All parameters controlled electronically (amplitude, speed and pressure)
- 100% reproducibility of the welding process
- Most of thermoplastic sheets, laminates, textiles and non-wovens are weldable
- Equipped with differential feed; separate drive for sonotrode and anvil wheel; that means smooth, non-distorted seams or the possibility of adding a some fullness
- Process reliability through monitoring of welding parameters with integrated device for the control of the amplitude (so that reliable processing is possible even when sewing over cross seams)
- High production speed
- High wear comfort with lingerie items due to smooth Seam
- Smooth and even seams with standard or custom made anvil wheels
- No start/stop – marks



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