

Excellence in seaming



8330

Hot-air welding machine
for continuous seam welding

PFAFF 8330

The new hot-air welding machine, PFAFF 8330, was developed for welding continuous seams on water-resistant, waterproof and breathable materials. Innovations and technical refinements are features of the PFAFF 8330, which make it unique:

Exact reproducibility with programmed taping

Both individual segments and complete cycles can be programmed. Created programs and parameters can be transferred to other machines in the production process.

Differential feed

Two separate drive motors for the top and bottom feed roller guarantee an optimum adaptation to the operation (e.g. smooth seams or fullness for formed parts).

Dynamic Welding

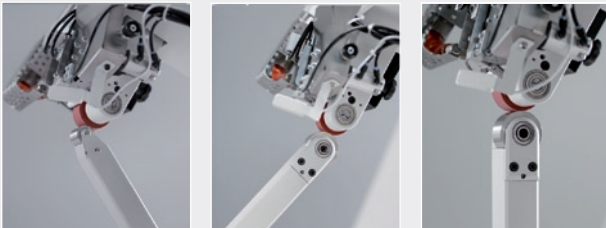
Automatic adjustment of the heating power to the variable speed. Two temperature sensors (optional) enable the control of the heating temperature. Automatic monitoring and adjustment of all pre-set or programmed parameters.

Tape cutter with separate drive

Trimming of the seam tape becomes unnecessary (welding from the beginning of the tape), resulting in a considerable reduction of the tape used. The tape cutter is electronically controlled, with precision adjustment for optimum setting. Optional: sensor-controlled, automatic tape cutting at the end of the material.

Variable post- and roller concept

Customer application in focus! Variable post concept (roller width 25, 28 and 32 mm and post positions like post from front, vertical post and post from back – depending on the operation). Several roller diameters are available: 45 mm for standard operations, 25 mm for shoes and automotive (narrow curves) applications.





Features:

- Traditional tape welding combined with the possibility of programmed welding
- „Dynamic Welding“ and the new differential feed guarantee top seam quality
- Maximum reproducibility of the welding process
- 20% increased productivity in comparison to other tape welding machines
- Up to 15% reduction of the amount of tape used compared to standard machines
- Touch screen for easy operation with pictograms
- Various operator levels possible, with password protection, e.g. fixed parameters cannot be altered by the operator
- Monitoring of the heating temperature with two sensors (optional)
- Individual segments as well as complete sequences can be programmed
- Automatic monitoring and maintaining of all pre-set or programmed parameters
- Variable post system (post width and position – depending on use)
- Exactly reproducible nozzle setting with x/y-carriages
- During the production sequence programs and parameters can be transferred via SD-card to other machines

Areas of application:

For all tape welding operations which require a high level of process reliability and a reproducible quality:

- Outdoor + protective garments and shoes
- Automotive section like car seats, arm rests, dashboards and similar to prevent the foam coming through needle holes after sewing



Technical Data:

Dimensions and weight:

Length: approx. 1250 mm
Width: approx. 700 mm
Height: (without tape holder): approx. 1400 mm
Clearance width: approx. 380 mm
Clearance between rollers: approx. 20 mm

Width of nozzles:

10 - 30 mm (others available)

Net weight:

approx. 140 kg

Sealing speed:

max. 9 m/min (standard)
option up to 20 m/min available

Mains voltage set for:

230 V \pm 10%, 50/60 Hz, 1 Phase

Power input:

3700 W

Heating capacity:

3600 W

Air consumption (6 bar):

approx. 150 l/min

Sealing temperature:

720 °C



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