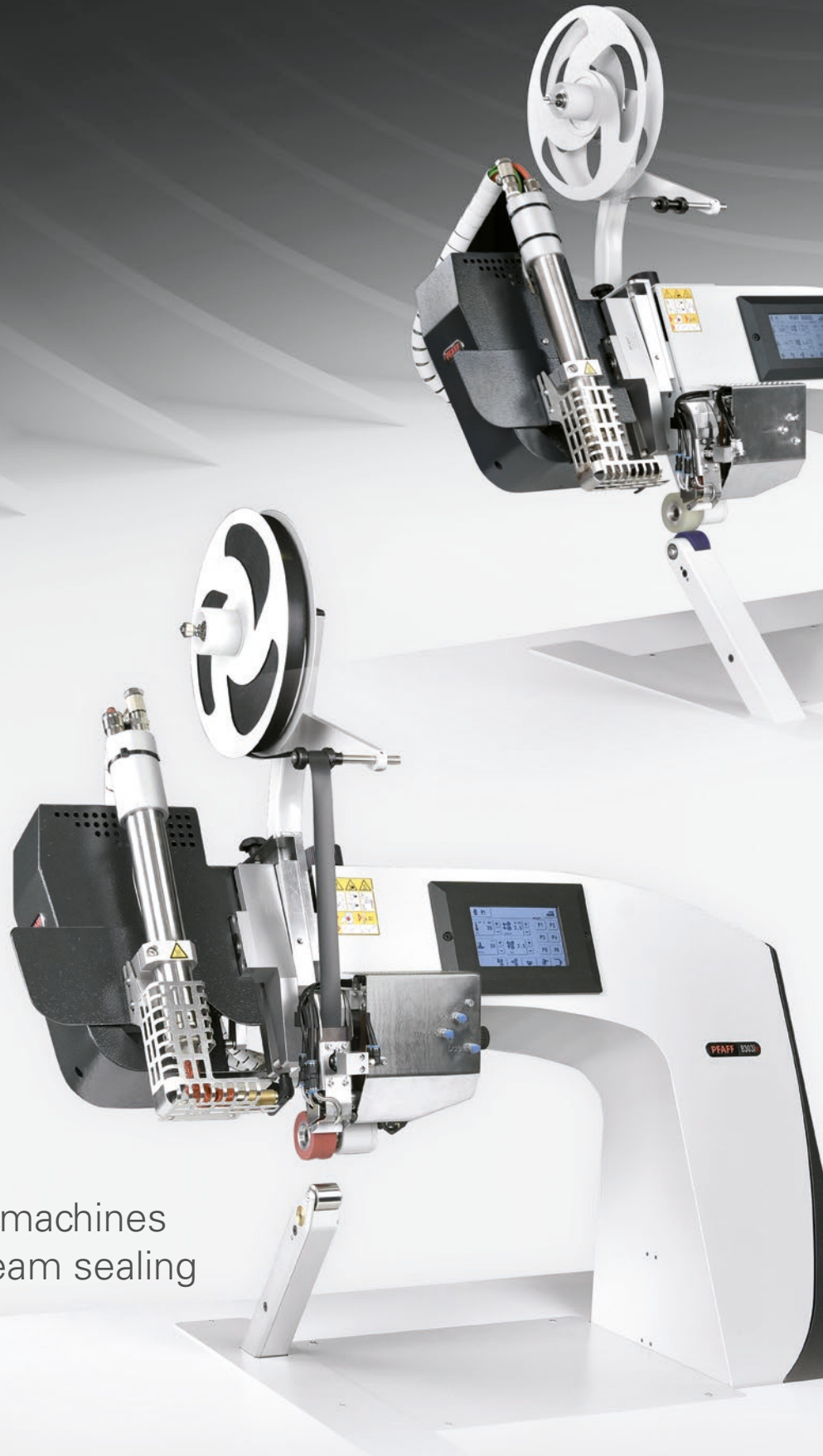
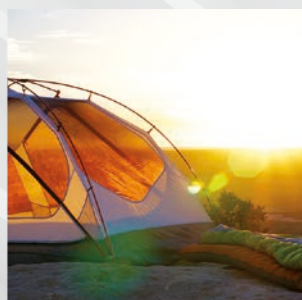




8303/8333

Hot-air tape welding machines
for the continuous seam sealing



Key competence

More than 50 years ago, PFAFF INDUSTRIAL launched the first hot-air taping machine for continuous seam sealing of water-resistant, waterproof and breathable materials. Today, PFAFF INDUSTRIAL is the absolute innovation and technology leader in this segment. Unique technical refinements and product variations tailored to the areas of application characterize the PFAFF INDUSTRIAL hot-air taping machines. Three machine series (all as post-bed version) are available, each with different features and levels of technology:

PFAFF 8303i Baseline: Economic welding - equipped with the most essential basic functions

PFAFF 8303ix: Programmed welding - equipped with many technical features for sustainable work

PFAFF 8333: Advanced, programmed welding - equipped with an innovative electronic 3D nozzle swivel mechanism

8303/8333 Series



Seam sealing

The sealing tape is applied using hot air. It is important to the customer that the machine produces a perfect and reliable seam seal. Seams must be sealed in such a way that, for example, no water can penetrate from the outside to the inside (jackets, shoes, tents, etc.) or that, for example, no PU foam escapes from the inside to the outside (car upholstery). Tapes coated with hot melt adhesive or thermoplastic tapes are heated and applied to the corresponding material by roller pressure. The amount of introduced air have a major part in this process. In PFAFF solutions, this is controlled via a touch panel. For almost every application, there are different tapes available in terms of used material or adhesive.



8303/8333 Series

Unique Features for higher quality and performance

Maximum process control

All relevant process parameters (such as air flow, pressure, temperature and speed) can be programmed and saved via touchscreen. The new 3-D axis nozzle position of the new PFAFF 8333 provides the last missing link for unique process control

Precise reproducibility by programmable "taping" (not PFAFF 8303i Baseline)

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

Differential feed for highest seam quality

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 (not PFAFF 8303i Baseline)

Automatic adjustment of the heating power to the variable welding speed.

Monitoring and maintaining

Automatic monitoring and maintaining of all pre-set or programmed parameters. Monitoring of the heating temperature with two sensors (the 8303i Baseline works only with one sensor)

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 an exact setting (8303i Baseline: Tape width 20 - 25 mm, 8303ix + 8333: Tape width 8 - 30 mm).

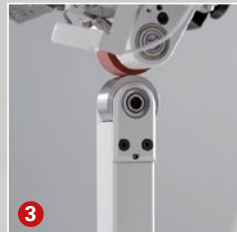
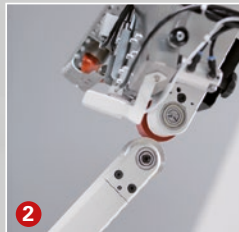


8303/8333 Series

Variable post- and roller concept

The focus is on the application of PFAFF INDUSTRIAL tape welding machines.

Customers can choose their solution from a variable post system (roller widths of 25, 28, and 32 mm) and post positions from: BACK, FRONT and VERTICAL.



- 1** Post from back:
For shoes and small radii (e.g. headrests)
- 2** Post from front:
For seam sealing in the clothing industry
- 3** Vertical post:
Special applications / Clothing

The machines are also available with different roller diameters: 45 mm for standard applications, 25 mm for footwear and automotive (small radii).

New: Small post (25 mm) with central belt drive for applications with very small radii (only 8303ix and 8333)





PFAFF 8303i Baseline: The Economic

The PFAFF 8303i Baseline offers all the essential features and provides excellent price/performance ratio. It is suitable for simple and undemanding applications.

- Differential transport ensures the highest seam quality
- Touchscreen for easy operation using icons
- Various customizable user levels available, protected by password (e.g., predefined parameters cannot be changed by the operator)
- Automatic monitoring and maintenance of all preset or programmed parameters
- Exactly reproducible nozzle setting with x/y-carriages
- Tape cutter with separate drive (tape width: 20 – 25 mm)

8303i Baseline



PFAFF 8303ix: Programmed welding

The modern machines of the "8303ix" series combine traditional tape welding with the possibility of programmable welding. The machines deliver maximum performance while consuming less material, energy and air.

- All features of the PFAFF 8303i Baseline
- Programmed Welding - Individual segments and complete sequences can be programmed
- Created programs and parameters can be transferred to other machines in the production process.
- "Dynamic Welding" - Automatic adjustment of heating power to the variable welding speed
- Tape cutter with separate drive (strip width: 8 - 30 mm)
- Monitoring of heating temperature via two temperature sensors



NEW

Eco-Mode - Energy only when it is needed

When not welding, the machine immediately reduces the energy requirement. This significantly reduces the CO2 footprint.

8303ix & 8333

NEW

3-D axis nozzle for a movement

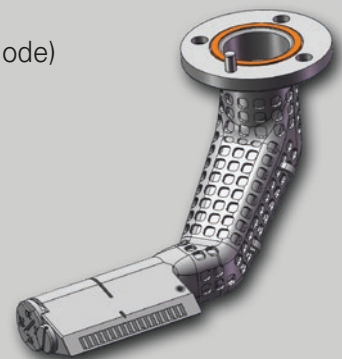
Movable in X, Y and Z direction. The changeover from one application to another can be done by just pressing a button - in any direction.



PFAFF 8333: Unique process control

Maximum process reliability and unique process control characterize this series for demanding applications.

- All features of the PFAFF 8303ix series (including ECO-Mode)
- 3-D axis nozzle for a movement
- New 3D-printed metal nozzle:
It operates extremely quietly and uses less compressed air than conventional nozzles



Technical data:

Sealing speed:

max. 10 m/min. (standard),
optional up to 20 m/min. possible

Mains voltage set for:

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

Power input:

3,700 W

Heating capacity:

3,600 W

Air consumption (6 bar):

ca. 150 l/min.

Sealing temperature:

720 °C

Subject to alternations in design, dimensions and weight.

Pictures/graphics could show additional equipment.



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