

# PFAFF

fine sewing



Innovative - Flexible - Powerful

Innovations and Solutions  
for the Shoe industry



*„PFAFF 570/590 series -  
The mother of all post-bed machines“*

### **PFAFF 570/590**

Modern post-bed high-speed seamers for shoe manufacture. The machines can be equipped with thread trimmer, automatic presser foot, backtacking mechanism and side cutter (options).



#### Product advantages:

- New, easily adjustable thread trimmer with short thread ends, for thread sizes up to 15/3 synthetic
- Overload clutch system for the sewing hook
- The operator can change to the correct needle plate inserts for different trimming margins (for sub-class -725/04) or thread sizes 80/3-15/3 synthetic as required
- Accurate and simple adjustment of the needle guard
- Integrated servo drive provides more leg room
- Bobbin thread monitor with stitch counting is standard
- Very simple operation due to new, clearly-arranged BDF-S1 control panel in combination with the new control concept
- Flash software update without changing the E-Prom and opening the control box



## Subclasses and additional equipment the PFAFF 571, 574, 591:

### -725/04

Edge trimming mechanism - bottom driven.

### -900/81

Electromagnetic thread trimmer. Thread end approx. 10 mm.

### -910/15

Automatic presser foot lift, electropneumatically controlled, with additional knee lever for intermediate foot lift. Air filter/lubricator required. (Only in connection with -900/..).

### -911/35

Automatic backtacking mechanism with additional push-button for intermediate backtacking. (With -900/81-910/15 only).

### -940/02

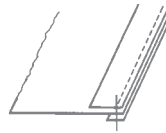
Dome-shaped needle plate for PFAFF 571 – 591



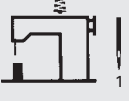
- Standard on machines without a thread trimmer
- On machines with a thread trimmer, the thread trimming block must be removed.

Loosen two Allen screws only.

### -59/01

Part set for french binding (for PFAFF 571 and 591)



Typ and number of needles	Class	Edge trimming mechanism	Thread trimmer -900/81	Automatic presser foot lift -910/15 only	Backtacking mechanism with -911/35 only	Model Type of application	Standard needle gauge in mm	Standard trimming margin in mm	Stitch length code
	<b>571</b>	-	●	●	●	<b>B</b>	-	-	■
		-725/04	●	●	●	<b>A</b>	-	<b>1.0</b>	■
		-725/04	●	●	●	<b>B</b>	-	<b>1.2</b>	■
	<b>574</b>	-	●	●	●	<b>B</b>	<b>1.6; 1.8; 2.0; 2.2</b>	-	<b>N3.6</b>
		-	●	●	●	<b>C</b>	<b>2.2; 2.4</b>	-	<b>N3.6</b>
	<b>591</b>	-	●	●	●	<b>B; C</b>	-	-	■
		-	-	-	-	<b>C</b>	-	-	<b>N7</b>
		-725/04	●	●	●	<b>B</b>	-	<b>1.2</b>	■

● = Optional  
 ■ = Stitch length 4.5 mm (no need to indicate on order)

✓ = Standard

A = for light materials  
 B = for medium materials  
 C = for medium-heavy materials



*„An operator produces  
thousands of stitches a day -*

*The PFAFF 1570/1590  
put them in the right place“*



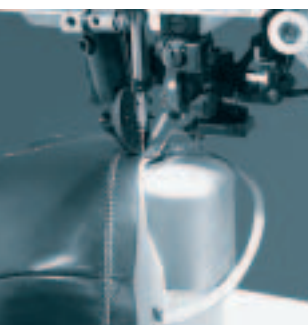
### **PFAFF 1570/1590**

Modern comfort post-bed computer stitcher for the shoe industry. Thread trimmer, automatic roller presser lift, a backtacking device, wheel feed and driven roller presser is standard.

#### Product advantages:

The main feature of this series is that the feed elements are driven by stepping motors, so that, if desired, it is possible to switch over to differential feed using a knee switch without interrupting the sewing operation.

- A perfect closing seam on the heel due to the controlled stretched insertion of the lining.
- Uniform beaded lining edges even on inner curves by avoiding tension in the lining. In this area the lining is compressed for sewing.
- No perforation of the material during backtacking operations with exact stitch-in-stitch sewing
- With the same setting there is no difference in the stitch length from machine to machine
- Exactly accurate stitch lengths can be reproduced at any time
- The feed motion of the feed wheel and the roller presser can be set separately
- Sturdy, easily adjustable thread trimmer with short thread end for thread sizes up to 15/3 synthetic
- Simple adjustment of stitch lengths and the number of bartack stitches on the control panel



## Subclasses and additional equipment the PFAFF 1571, 1574, 1591

A thread trimmer for thread sizes up to 15/3 synthetic, an automatic roller presser lift, a back-tacking device, wheel feed and driven roller presser belong to the standard equipment for all machines. The main classes with the end figure 1 also have a needle feed.

### -725/04

Edge trimming mechanism - bottom driven.

### -940/02

Dome-shaped needle plate for PFAFF 1571 and 1591


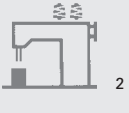
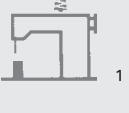
-> This offers easier handling for sewing operations on very narrow uppers (e.g. on boots).

Loosen only two Allen screws.

### -59/01

Part set for french binding  
(for PFAFF 1571 and 1591)



Typ and number of needle	Class	Edge trimming mechanism	Model Type of application	Standard needle gauge in mm	Standard trimming margin in mm
	<b>1571</b>	-725/04 -725/04	B		
			A		0.8; 1.0
			B		1.2
	<b>1574</b>	-725/04 -725/04	A	1.2; 1.4; 1.6	
			B	1.6; 1.8; 2.0; 2.2	
			C	2.2; 2.4	
			A	1.2; 1.6	1.0
			B	1.8	1.2
	<b>1591</b>	-725/04 -725/04 -725/04	A; B; C;		
			A		0.8; 1.0
			B		1.2
		C		1.5	

A = for light materials  
B = for medium materials  
C = for medium-heavy materials



*„The incredible four  
- for closing- and fancy seams  
- for decorative- and rope stitching“*

### **PFAFF 1243/1244/1293/1294**

Single or double-needle flatbed or postbed sewing machine with vertical hook for top-stitching on uppers and other leather articles.

The machines can be equipped with thread trimmer, automatic presser foot and backtacking mechanism (options).

1243: Single-needle flatbed



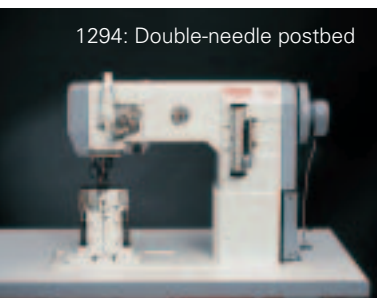
1244: Double-needle flatbed



1293: Single-needle postbed



1294: Double-needle postbed



#### Product advantages:

- Excellent top-stitch seams even on thick leather.
- Easy, continuous adjustment of the stitch length – rope-stitch seams up to 11 mm are possible.
- Proven, positive power transmission by toothed belt drive
- The large vertical hook with 60% more thread capacity reduces the number of bobbin changes
- Built-in bobbin winder within operator's view
- The roller presser drive (sub-class -4/01) guarantees an unproblematic stitching of cross seams without a change in the stitch length



## Subclasses and additional equipment the PFAFF 1243, 1244, 1293, 1294

### -900/56

Thread trimmer solenoid-controlled

### -910/98

Automatic presser foot lift, electro-pneumatically controlled (air filter/regulator -925/03 required).

### -911/97

Automatic backtacking mechanism electro-pneumatically controlled with additional pressbutton on machine head for backtack inside seams and automatic presser foot lifter.


### -944/01

For sewing rope-stitch ornamental and assembly seams with dropfeed and retractable roller presser

### -4/01

For sewing rope-stitch seams with drop feed and retractable roller presser with direct drive. The roller presser drive guarantees problem-free top-stitching of seam intersections without any change of stitch length. During reverse sewing, the roller presser drive is pneumatically disengaged.

(Pneumatic air filter/regulator -925/.. required).

Type	Class	Subclass	OPTION	OPTION	OPTION	Model Line of branch	Standard needle gauge in mm	Stitch length code
			Thread trimmer	Automatic presser foot lifter with -900/56 only	Backtacking mechanism -911/97			
	<b>1243</b>	-944/01	-900/56	-910/98	-911/97	CL	-	N8
		-4/01	-900/56	-910/98	-911/97	C/DL	-	N8
		-944/01	-	-	-	DL	-	N8
	<b>1244</b>	-944/01	-900/56	-910/98	-911/97	CL	1.6; 2.0	N8
		-4/01	-900/56	-910/98	-911/97	C/DL	2.0; 2.4	N8
		-944/01	-	-	-	DL	2.0; 2.4	N8
	<b>1293</b>	-944/01	-900/56	-910/98	-911/97	CL	-	N
		-4/01	-900/56	-910/98	-911/97	C/DL	-	N
		-944/01	-	-	-	DL	-	N
	<b>1294</b>	-944/01	-900/56	-910/98	-911/97	CL	1.6; 2.0	N
		-4/01	-900/56	-910/98	-911/97	C/DL	2.0; 2.4	N
		-944/01	-	-	-	DL	2.0; 2.4	N

A = for light materials  
 B = for medium materials  
 C = for medium-heavy materials  
 D = for heavy materials  
 L = leather version



## **PFAFF 335**

Lockstitch, cylinder-bed sewing machine with unison feed. The machines can be equipped with thread trimmer, automatic presser foot and automatic needle positioner (options).



Subclass -17/01-650/03:  
for binding operations



Subclass -6/01  
general seaming work (standard)



Subclass -2/27:  
for leathercraft work

### Product advantages:

- All-purpose machine for shoes and small leather articles, but also for upholstery and leather clothes.
- Very neat binding work on leather, imitation leather and textile tapes owing to the synchronised binder and the fact that the tape is located close to the binding edge (subcl. -17/01-650/03)
- Excellent sewing quality with high performance and sewing reliability.
- Precise and consistent stitch setting on all materials.
- Fewer bobbin changes when using G-version (large hook)

*„Extreme seam accuracy  
on 500 x 300 mm!“*



## **PFAFF 3587**

Programmable large area automatic sewing unit with a sewing area of 500 x 300 mm

### Areas of application:

Classical shoe models, leisure shoes, cowboy boots, sports shoes, work and military boots

### Product advantages:

- High accuracy of the top-stitched seams due to the patented material feed system
- Seam programming and seam program correction on the control panel directly on the machine
- Work clamp identification system or sewing program identification system (optional) ensures that the right sewing program is always activated automatically
- The automatic clamp change mechanism increases output by up to 20%
- In combination with the programming system „OSCA“ Class 3587 is the last link in a data-aided upper stitching programme. Existing CAD data sets can be used with „OSCA“ to create sewing and cutting programmes.



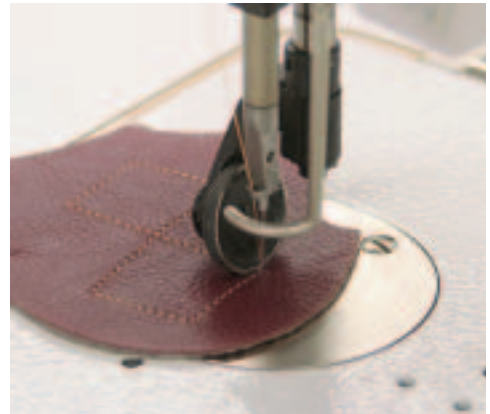


### **PFAFF 1183-8/44**

Ultra high-speed flatbed sewing machine with roller presser for top-stitching light to medium-weight materials. The machines can be equipped with thread trimmer, automatic presser foot and backtacking mechanism. (options).

#### Product advantages:

- High flexibility due to adjustable needle bar stroke (30 to 36 mm)
- Up to 13 mm presser foot clearance (with 36 mm needle bar stroke)
- Knife/catcher change for the thread trimming device without readjustment
- Integrated bobbin thread winder
- Option: Bobbin rest thread sensor -926/06 with optical display
- Stitch length up to 6 mm - forward and reverse (on C version).
- **WORLDS FIRST!** More than 10 years of experience with the sewing drive unit integrated in the sewing head





„100% proof“



### **PFAFF 8303**

Hot air sealing machine for the continuous sealing of seams (sewn seams are sealed with a tape)

Area of application:

Sealing of the sewn seam on waterproof shoes

**8303-040: Post from front, roller width 25mm**

Version for taping open upper

**8303-042: Post from back, roller width 25mm**

Version for taping closed shoe interior/sock

### Product advantages:

- Even and constant temperature profile through patented, adjustable double chamber nozzle, quickly exchangeable
- Tape cutter with separate motor and pressure roller for welding of tape ends (no cutting of tape ends necessary); Special heat shield
- Automatic reverse motion when stopping within seam without tape cutting
- New processing possibilities which can be controlled from the conveniently located control panel, such as:
  - cold „pressing“ / warm „pressing“
  - „roller presser“ raised / „roller presser“ lowered
  - automatic tape threading





## Hotlines:

### Sewing:

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