

3587

Programmable large area automatic sewing unit and programming system „OSCA“

*...extreme seam accuracy
for sewing area 500 x 300 mm*



PFAFF 3587



Areas of application:

For manufacturing shoes: Classical shoe models and especially leisure shoes, cowboy boots, sports shoes, work and military boots

Accessories for the motor industry: Airbags, belts, upholstery and linings

Leather and plastic articles: Belts, document envelopes, bags etc.

Special features:

Special automatic sewing head

- also suitable for thick threads up to 11/3
- special sewing head with raisable arm (70 mm clearance)
- vibrating presser with programmable height control or floating presser foot

Excellent seam quality due to the use of the vertical hook system, best suitable for multi-directional sewing.

Graphics operating panel with plain text dialogue displays in the most common languages.

Seam programming and programme correction can be carried out directly on the machine operating panel, or independently from the machine on a PC with the programming software „OSCA“.

Very accurate seam quality due to patented material feed system. Due to the intermittent feed (feed stop when needle enters material), shifting of the material in the work clamp is avoided and wear on the hook is reduced.

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.

Work clamp with standard frame and interchangeable inserts.

Modern CNC control with simple up-date of the operating system:
Software modifications can be installed on the machine by disk at all times.

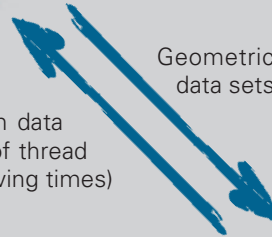
The large-panel automatic sewing machine *integrated* in a complete system

CAD-SYSTEM



Production data
(Amount of thread used, sewing times)

Geometrical data sets



PFAFF 3587



Sewing programme

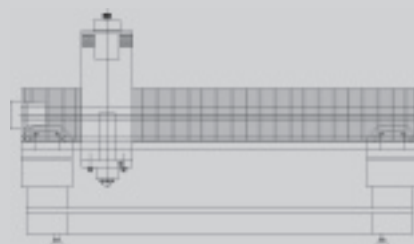
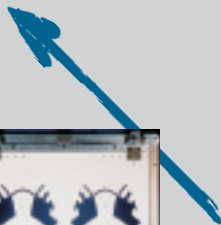
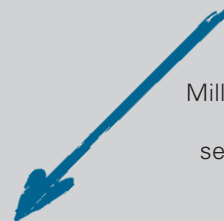


Corrected sewing programme

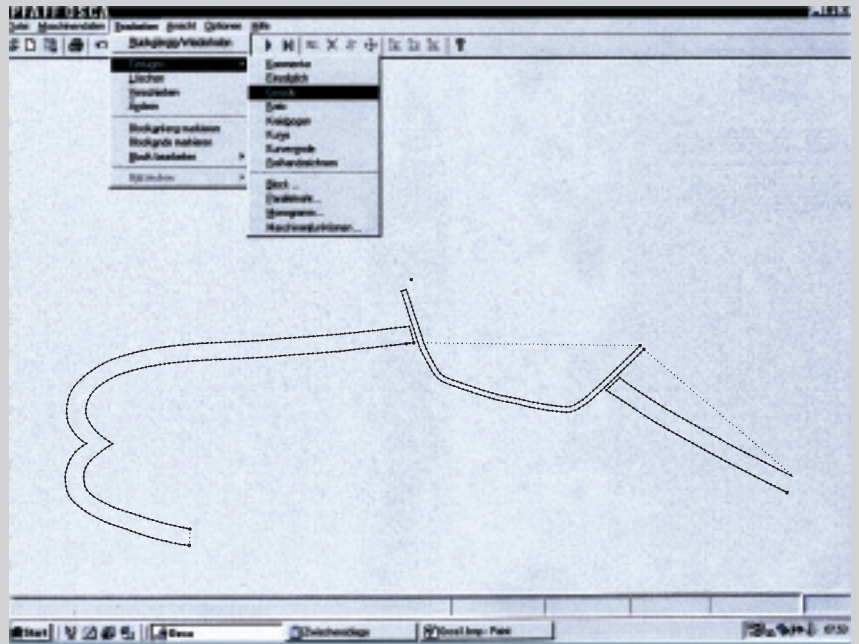
PROGRAMMING THE SEAM CONSTRUCTION



Milling programme
for producing
sewing templates



MILLING MACHINE



„OSCA“ Programming system

(O= ONLINE S = SEWING C = CREATIVITY A= ARRANGEMENT)

Product number: 91-291 904-90

CAD-System for producing data sets (sewing programmes) for NC-controlled sewing workplaces. The system can copy data sets from superior CAD workplaces.

The suitable formats are: HPGL, DXF and RS 274.

The data export to milling machines (producing sewing templates) can be done by using the same formats.

System description

Modern user surface for installation on a PC at least the following equipment:

- ... 8 MB RAM
- ... 10 MB free hard disk memory
- ... Colour monitor with at least 640x480 resolution and at least 256 colours (SVGA)
- ... Operating system WINDOWS NT / 95 / 98 / ME / XP

System functions (software possibilities)

- ... Graphical presentation with possible display of the needle penetration points
- ... Parallel seam calculation
- ... Statistical data output (speed, amount of thread used, sewing times etc.)
- ... Integrated operating aids
- ... Manipulation of programme sections (block function)
- ... Printing of stitch data, geometrical data or graphics
- ... Data output for producing milling programmes



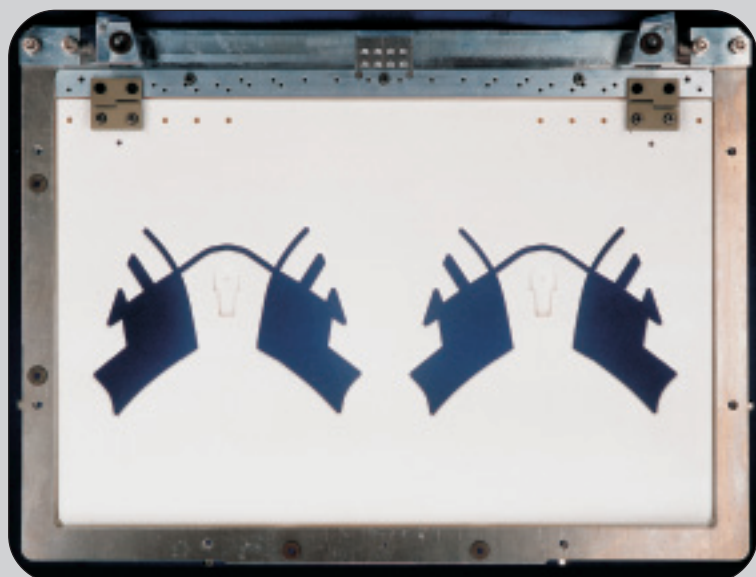
Standard equipment

(Manuf. No. 900-3587-001/001):

- Storage capacity for 1000 sewing programmes or a total of 1,000,000 stitches
- Sewing area 500 x 300 mm
- Integrated disk drive
- Interface for online connection with PC
- 2 interchangeable frames for different shaped inserts
- Special PFAFF sewing head for automatic sewing machines with raisable arm (stitch formation 301, lockstitch)
- Graphics operating panel with plain text display and presentation of machine parameters with easily comprehensible symbols
- Writing a sewing programme and seam correction on the machine

PFAFF 3587-2/01 (Additional equipment)

Description	Product number
Height adjusting mechanism via electric motor per button	95-778 051-70/893
Automatic work clamp change	95-778 032-70/895
1 set of rollers for transportation (4 ea)	95-775 715-90
Work clamp control: Checks the use of the right clamp for the selected sewing programme (required for each work clamp)	95-778 052-90
Basic kit in the machine (necessary for the use of the clamp control equipment)	91-291 817-90
Foot switch for sewing start (also possible via push button or automatically in conjunction with the clamp control)	95-778 053-90



Technical data:

Stitch type:

301 (lockstitch)

Max. sewing speed:

3,200 stitches/min.

Max. stitch length:

6 mm

Needle system:

134-35 KK

Needle size:

80 - 160

Mains voltage:

A/C 230 V, 50/60 Hz

Compressed air pressure:

6 bar

Power consumption:

2.2 KW

Air consumption:

approx. 15 l/cycle

Net weight:

580 kg

Dimensions (in mm)

Length: 2,100

Width: 1,450

Table height: 850 - 1,150

Hotlines:

Technical service: +49-175/2243-101

Application consultancy: +49-175/2243-102

Spare-parts hotline: +49-175/2243-103



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