



PEGASUS.

FS700

4-needle, feed-up-the-arm,
interlock stitch machines
for flatseaming



Handle new types of fabric!

Flat seams produced by 4 needles and 6 threads are strong but still soft on the skin without any uncomfortable touch.

Point 1 Achieves neatly finished products

Thanks to Pegasus' unique presser foot with the groove on its underside, the machines easily sew the difference on the cross seam sections of the overlapped areas. Therefore, the overlapped areas in tape binding and lace attaching operations on the fabric, such as briefs and panties, are flatly and beautifully finished, so they feel gentle on the skin without any uncomfortable touch.

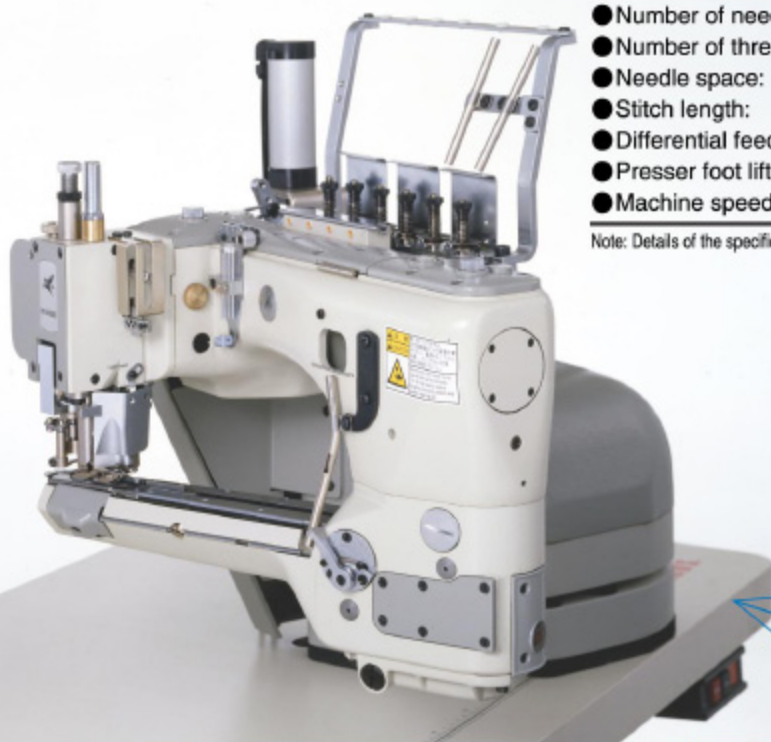


Point 2 Produces uniformly finished stitches even on new types of fabric, increasing quality.

The design achieves uniform stitches even on new types of fabric, which are conventionally difficult to sew, such as swimsuits, whatever the sewing operations may be, allowing you to manufacture higher quality products than ever before.

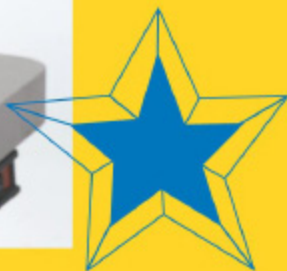


FS Specifications in common



● Number of needles:	4
● Number of threads:	6
● Needle space:	5.2 mm / 6.0 mm
● Stitch length:	1.3 mm ~ 2.5 mm
● Differential feed ratio:	1 : 0.7 ~ 1 : 1.5
● Presser foot lift:	Up to 5.5 mm
● Machine speed:	Up to 4,200 rpm

Note: Details of the specifications vary according to each subclass.



Point 3 Full line of subclasses

These subclasses respond to the diversified needs of the market, from underwear to garments made of fleece. Two types of cutting for the fabric edge is available, single and double edge trimmings.



* Single edge trimming
(right-side edge trimming)
Left-side edge trimming is optional.



* Double edge trimming

Point 4 Operators do not feel any stress with the easy-to-sew design, increasing productivity.

The shape of the machines is designed to allow operators to sew the fabric in a comfortable posture. The design of the machines, featuring ease of operation with less stress, provides smooth sewing and increases production.



Other Features

■ Easy maintenance

Timing adjustments of the needles and the loopers can be made from the arm bed. Differential feed ratio adjustments can be easily made by the lever.



■ Various kinds of features that increase quality

Thanks to the floating foot mechanism, fine adjustments for the clearance between the presser foot and the needle plate can be effortlessly made with the adjustment nut, according to the thickness of the fabric. Fine adjustments for the presser foot pressure can also be made. These features eliminate seam jamming and fabric damage by the feed dog, achieving neatly finished products.



■ Operator-friendly, safe design

The driving parts of the looper are completely covered. The set screw for the cylinder cover is designed to be out of the way of the sewing.



FS Devices



■ Presser foot lift (PL)

Pressing the treadle with the heel raises the presser foot.
Ease of operation decreases operator fatigue.

■ Thread chain cutter (KH)

The thread chain is sucked into the device using compressed air to create a sucking force and then the thread chain cutter cuts it. No scissors are needed.
Operating efficiency is dramatically increased.

Flat type vacuum thread chain cutter: KH

In addition, this device smoothly sucks and cuts a wide thread chain and the thread chain produced on double chainstitch machines.

■ Needle thread cooler device (HR)

Helps the needle thread run smoothly through the machine, forming uniform stitches.











■ Waste collector

Collects and sucks thread chain and fabric edge trimmings using compressed air.





FS Series Subclasses










Type of machine	Fabric weight		
	Light	Medium	Heavy
 <p>Joining shoulders, closing sleeves and sides on light-weight fabrics, such as T-shirts, underwear and baby wear Sewing tights, pantyhose and similar garments</p>	[Light fabric weight bar]		
 <p>Joining crotches of briefs (with a tape binding operation on the leg openings without braided elastic inserts) Sewing flies of boxer briefs Joining crotches of panties</p>	[Medium fabric weight bar]		
 <p>Sewing swimsuits</p>	[Light fabric weight bar]		
 <p>Joining crotches of panties with pre-attached thin elastic lace</p>	[Medium fabric weight bar]		
 <p>Joining crotches of boxer briefs Inseaming on sweat pants Sewing medium-weight fleece</p>	[Medium fabric weight bar]		
 <p>Joining crotches of briefs (with a tape binding operation on the leg openings without braided elastic inserts)</p>	[Medium fabric weight bar]		
 <p>Joining crotches of briefs (with a tape binding operation on the leg openings with braided elastic inserts)</p>	[Heavy fabric weight bar]		
 <p>Joining shoulders, closing sleeves and sides on light-weight fabrics, such as T-shirts and underwear Sewing sportswear made of flexible fabrics</p>	[Light fabric weight bar]		
 <p>Joining crotches of briefs (with a tape binding operation on the leg openings without braided elastic inserts)</p>	[Medium fabric weight bar]		
 <p>Attaching tape on flies of briefs</p>	[Light fabric weight bar]		

* Both the FS713-G0 and the FS713A-G0 include the exclusive presser foot that helps the machine feed the fabric straightly.

* When selecting a machine, check the fabric weight for each machine type applicable to your sewn products.



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