AMS-221EN-HS3020/7200

Computer-controlled Cycle Machine with Input Function (for sewing pockets on jeans)

JUKI ECO PRODUCTS

This model is designed for sewing pockets on jeans and is based on the AMS-221EN Series

◎The machine sews folded pocket cloth on the garment body.
◎Maximum stitching range of a pocket that can be sewn is 246mm (width) × 200mm (length).

AMS-221EN-HS3020/7200/SS46
(SS46 stacker is optionally available.)

AMS-221EN -HS3020/7200

Higher productivity

The operator is able to attend to two sewing machines at one time by the use of the SS46 stacker (optional), thereby achieving higher productivity.

Trial calculation of productivity

Hours of work; 8 hours,
Allowance rate; 30%

One operator attends to one AMS unit. (Without the stacker)	Cycle time: 22sec./pocket **Daily production: 1,006 pockets/operator**
One operator attends to two AMS units. (With the stacker)	Cycle time: 10.25sec./pocket **Daily production: 2,161 pockets/operator**

Condition:
Placement of a garment body and a pocket cloth on the sewing machine: 7 sec.
Sewing: 13.5 sec. (301 stitches without bartacking)
Placement of the finished garment body: 1.5 sec.
In the case where the operator is attending to two sewing machines, the operator needs two seconds to move between the machines when the stacker is used

Excellent seam quality

The machine achieves excellent seam quality by the use of the "active tension" and the "intermediate-presser height adjusting function", which are two of the superior features of the AMS221EN Series.

Operation panel

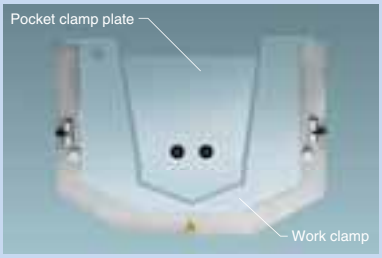
The AMS-221EN has adopted, as its operation panel, the IP-420 which has a large color liquid crystal touch panel. The color LCD unit displays sewing data such as stitch shape, needle thread tension, enlargement/reduction ratio, sewing speed and the number of stitches at a glance. In addition, the machine supports USB, allowing for the use of various USB thumb drives and media. (SD Card, CompactFlash, Smart Media, Floppy disks)

Energy-saving

The AMS-221EN is an economically-efficient model which has been designed to reduce power consumption. The sewing machine has adopted a direct-drive system by means of a compact AC servomotor that is excellent in energy transmission to drive the main shaft, and has adopted an encoder-control system which drives the stepping motor with a minimum of power in accordance with the material thickness and stitch length to control the X-Y drive mechanism, thereby reducing power consumption.

Pocket style jig

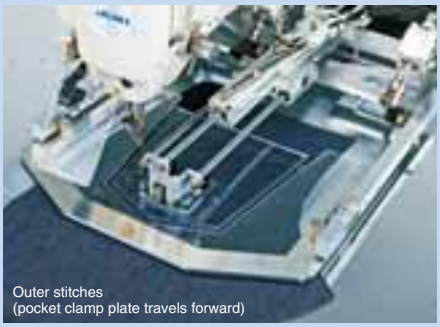
The pocket style jig can be quickly changed in a short time. The price of the pocket style jig itself is low, thereby supporting a small-lot production system. The PLASTIC BLANK (an option) is separately available. The pocket style jig can be made of the blank in your plant according to the pocket shape.



Pocket clamp plate for pocket cloth

The retractable pocket clamp plate is adopted. This feature can be used for the inner stitches of double-line sewing. In addition, since the travel stroke of the pocket clamp plate is adjustable according to the pocket size, pockets can be sewn beautifully with no sewing trouble regardless of the pocket size.

※Entry prohibition area in which interference between the needle and the pocket clamp plate clamp is prevented exits for the respective pocket sizes.


Outer stitches
(pocket clamp plate travels forward)


Inner stitches
(after the retraction of the pocket clamp plate)

■SPECIFICATIONS

Model name	AMS-221EN-HS3020/7200
Application	Heavy-weight
Feeding frame type	Pneumatic feeding frame (Pocket-clamp type, Amount lift of the top end of the work clamp: 46 mm)
Max. sewing speed	2,000 sti/min
Sewing area	X: 246mm × Y: 200mm
Stitch length	0.1～12.7mm (0.05mm step)
Needle thread tension	Active tension (electronic thread tension control mechanism)
Needle	DP×17(#19)
Hook	Double-capacity shuttle hook
Storage of pattern data in the memory	Main-body memory: Max. 500,000 stitches, 999 patterns (max. 50,000 stitches / pattern) External media: Max. 49,950,000 stitches, 999 patterns (max. 50,000 stitches / pattern)
Bobbin thread / Product counter	Up / Down system (0～9,999)
Lubrication	Semi-dry / hook section: minute-quantity lubrication (tank system)
Sewing machine motor	AC servomotor 550W (direct-drive system)
Power requirement / Power consumption	Single-phase, 3-phase 200～240V/450VA
Compressed air / Air consumption	0.35～0.4(max. 0.55)MPa / 1.8dm^3/min(ANR)
Dimensions / Weight	1,200mm(W) × 1000mm(D) × 1,200mm(H) (thread stand is not included), 210kg

*sti/min stands for Stitches per Minute.

■OPTIONS

●Stacker SS46

The stacker stacks the finished garment body.
It is effective in the case one operator attends to two or more sewing machines.

*The stacker is available separately from the main body of the sewing machine.

●PLASTIC BLANK

[Part No. 40063821]

This is a plastic blank for making the pocket style jig.

■WHEN YOU PLACE ORDERS

Please note when placing orders, that the model name should be written as follows:

Application	Code
Heavy-weight	H

Sewing area type	Code
X:300mm Y:200mm	3020

Subclass	Code
For sewing pockets on jeans	7200

Pedal switch	Code
PK 3-pedal unit (PK47)	D

A M S 2 2 1 E N H S 3 0 2 0 S Z 7 2 0 0 □ S D

Feeding frame type	Code
Standard (Monolithic feeding frame)	S

Options	Code
Not provided	Z

Power supply		Code
3-phase	200～240V	D
Single-phase	200～240V	K
	200～240V(for CE)	N

●Stacker
S S 4 6

JUKI ECO PRODUCTS

The AMS-221EN-HS3020/7200 is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.

●**The sewing machine complies with the "Juki Group Green Procurement Guidelines" on the use of hazardous substances, which is stricter than other restrictions, such as those of the RoHS Directive.**

For details of JUKI ECO PRODUCTS, refer to: http://www.juki.co.jp/eco_e/index.html

*The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBDE) in electrical and electronic equipment. The Juki Green Procurement Guideline is the voluntarily established criteria to eliminate not only the aforementioned six substances, but also other ones which also adversely affect the environment.

●To order, please contact your nearest JUKI distributor.

JAB CM001 ISO14001 JSAE389 089

JUKI CORPORATION HEAD OFFICE

Juki Corporation operates an environmental management system to promote and conduct the following as the company engages in the research, development, design, sales, distribution,and maintenance of industrial sewing machines, household sewing machines, industrial robots, etc., and in the provision of sales and maintenance services for data entry systems:
(1) The development of products and engineering processes that are safe to the environment
(2) Green procurement and green purchasing
(3) Energy conservation (reduction in carbon-dioxide emissions)
(4) Resource saving (reduction of papers purchased, etc.)
(5) Reduction and recycling of waste
(6) Improvement of logistics efficiency (modal shift and improvement of packaging, packing, etc.)

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* Specifications and appearance are subject to change without prior notice for improvement.
* Read the instruction manual before putting the machine into service to ensure safety.

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