

# AMS-224EN-6060

Computer-controlled Cycle Machine with Input Function



# AMS-224EN-6060

The sewing area is broadened to "600mm(width) × 600mm(length)".

This sewing machine is best-suited  
to the sewing of large products such as airbags.

JUKI ECO PRODUCTS

The AMS-224EN-6060 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](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.

## Auto-chuck and eject device

When the cassette section of the feeding frame pattern is placed near the feed mechanism, the sensor detects it to allow it to be installed automatically. When the sewing machine finishes sewing, the pattern is automatically removed. This means that installation/removal of the feeding frame pattern is carried out with ease.



## Semi-dry head

The frame (needle bar unit and thread take-up unit) is lubricated with grease, and the hook is fed with a minute quantity of oil from the oil tank.

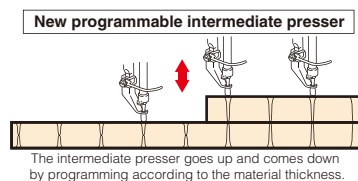
JUKI's advanced dry technology, which is utilized in a number of our sewing machine models, protects your products from being stained with oil.

## Active tension

With the active tension, pinpoint changes in the needle thread tension during sewing are enabled. The needle thread tension, therefore, can be set in conjunction with the material thickness and can be corrected according to the direction of sewing on a stitch-by-stitch basis through the operation panel. Since the needle thread tension is reproducible, supporting a broader range of sewing conditions, the time required for setup changing upon process changeover can be reduced.

## Programmable intermediate presser

With the programmable intermediate presser, the height of the lower dead point of the intermediate presser can be set according to the material thickness, thereby not only preventing troubles in sewing such as stitch skipping and thread breakage, but also protecting the sewing product from being damaged by the presser. The height setting can be changed with ease even during sewing. The machine finishes beautiful uniform seams free from stitch skipping even on multiple parts of the material by the ideal combination of the active tension and programmable intermediate presser.



## IP-420

The large-sized liquid crystal touch panel, which has been developed to ensure ease of operation, dramatically increases efficiency in edit work.

The memory storage capability of the main body of the sewing machine has been dramatically enhanced. Now the USB-ready main body of the sewing machine uses many different kinds of media.



## OPTIONS

### ● Programming software for computer-controlled sewing machines [PM-1] Ver.3

On the PM-1 programming software, a sewing data shape can be checked more precisely as compared with the IP-420.

### ● Devices / Parts

Description	Needle cooler (asm.)	Side wiper (asm.)	Wiper relay cable asm.	Tension controller No. 3 asm.	Bar-code reader
Part No.	40035692	40035867	40080837	40072310	40089238

\*Refer to the catalog for the AMS-224EN for details.

## SPECIFICATIONS

Max. sewing speed	2,000 sti/min* (stitch length 3mm or less)
Sewing area	600mm (X) × 600mm (Y) ※Two locations of the auto-chuck and eject device section (100 mm × 100 mm) are out of the sewing area.
Settable stitch length	0.1~12.7mm (0.05mm step)
Lift / Stroke of intermediate presser	Lifting amount : 15mm / Stroke : Standard 4mm (0~10mm)
Variable lower position of the intermediate presser	Standard 0~4.0mm
Change in height of the intermediate presser	Stepless control by programming (controlled by a stepping motor)
Needle thread breakage detecting device	Provided as standard
Needle thread clamp	Stepping-motor driven clamping on the underside of the throat plate
Thread trimming device	High-speed thread trimming mechanism driven by a stepping motor
Needle (at the time of delivery)	DP × 17(#24) Bpoint (135 × 17 FG Nm180)
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)
Lubrication	The frame is lubricated with grease / The hook and hook driving shaft gear box are lubricated from a tank
Lubricating oil	Hook: JUKI New Defrix Oil No.2 (equivalent to ISO VG32)
Sewing machine motor	Compact AC servomotor (direct-drive system)
Power requirement Power consumption	Single-phase,3-phase 200~240V / 550VA
Compressed air / Air consumption	0.5~0.55MPa (Max. 0.55MPa) / 1.8dm <sup>3</sup> /min (ANR)
Total weight	710kg ※Weight of the feeding frame pattern is not included.
Dimensions	2,000mm (W) × 1,800mm (D) × 1,275mm (H) (without thread stand)

\*sti/min stands for Stitches per Minute.

## WHEN YOU PLACE ORDERS

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

Application	Code	Sewing area	Code	Option	Code	Power supply	Code
heavy-weight	H	X: 600mm - Y: 600mm	6060	Not provided	Z	3-phase 200~240V	D
						Single-phase 220~240V	K

A M S 2 2 4 E N H C 6 0 6 0 S Z □ □ □ □ □ S

Feeding frame type	Code	Stitch type	Code	Subclass	Code	Operation panel	Code
Auto-chuck and eject device	C	Standard	S	Standard	5000	Standard (IP420)	S
				Subclass	5001~		

\*The feeding frame pattern is not supplied with the sewing machine. It should be separately ordered.

● To order, please contact your nearest JUKI distributor.



### 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.  
\* This catalogue prints with environment-friendly soyink on recycle paper.