

AMS-224EN

EXPANDED SERIES

JUKI
Mind & Technology

1,000mm (X) x 500mm (Y)

1,200mm (X) x 600mm (Y)

1,600mm (X) x 600mm (Y)

2,300mm (X) x 600mm (Y)

Computer-Controlled Cycle Machine
with Input Function



AMS-224ENGS-16060N

AMS-224EN *EXPANDED SERIES*

The AMS-224 Series delivers precision and versatility with electronic bar tacking and pattern sewing, available in medium to heavyduty applications. Perfect for apparel, automotive, and other industrial needs, it ensures consistent, high-quality results.

Computer-controlled Cycle Machine with Input Function



FEATURES

Clamp Sensor

The clamp sensor on JUKI AMS machines ensures reliable and accurate operation. By detecting the clamp's position and confirming the fabric is securely in place, it prevents the machine from starting if alignment is incorrect. This feature minimizes errors, protects materials, and enhances precision, making it an essential component for efficient automated sewing.



Bar Code Reader

The bar code reader on JUKI AMS machines streamlines operations by automating data input for each sewing task. With a quick scan, the machine instantly retrieves and applies pre-set parameters such as stitch patterns, thread tension, and speed settings. This eliminates manual input, reduces setup time, and ensures consistent, accurate results. Ideal for high-volume production, the bar code reader boosts efficiency and minimizes the risk of errors.



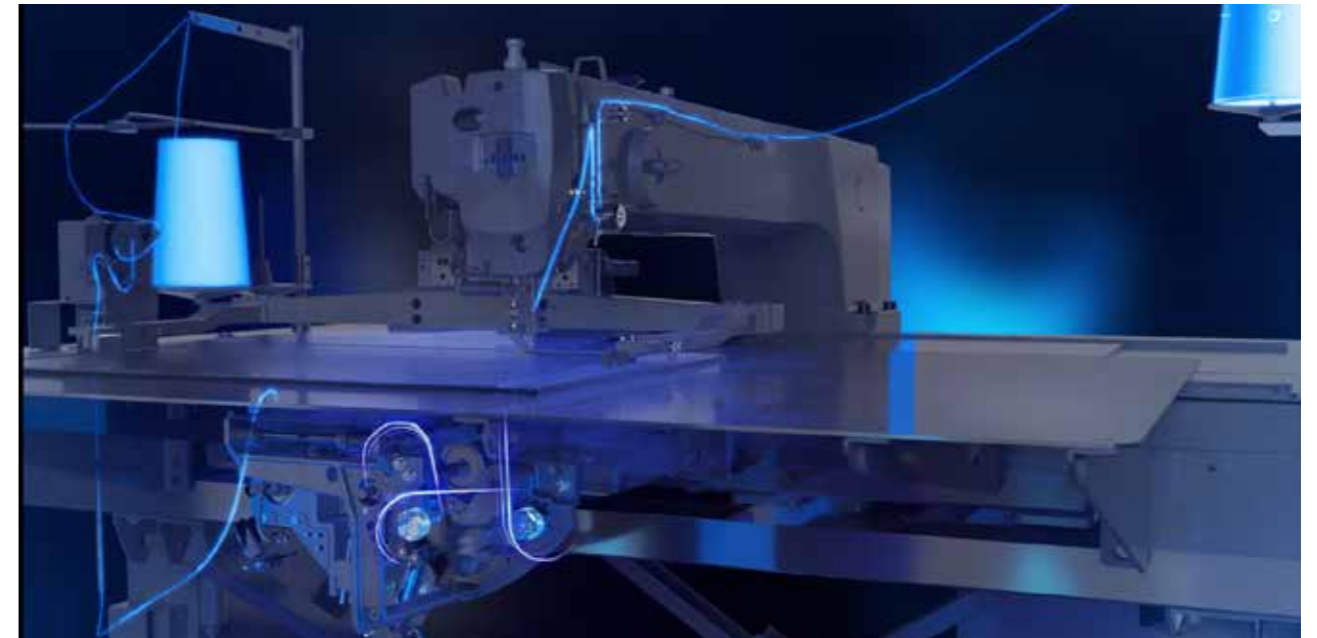
Bobbin Door

The bobbin door on JUKI AMS machines is designed for convenience and efficiency. Its easy-access design allows for quick bobbin changes, minimizing downtime during production. Built for durability, the door ensures secure operation while keeping the bobbin area protected and clean. This thoughtful feature supports smooth, uninterrupted sewing, ideal for demanding workflows.



OPTIONAL DEVICES

AW3, Automatic bobbin-thread winding and feeding device



The AW3 system is an innovative feature designed to revolutionize automated sewing operations. By automatically changing and winding the bobbin before the thread runs out, it allows for continuous sewing without operator intervention. With only two bobbin cases required, the AW3 eliminates the need for bobbin thread tension adjustments and frequent bobbin changes, enabling operators to focus entirely on their work. This advanced system not only enhances productivity but also ensures smooth and accurate sewing, streamlining production and improving quality in high-volume manufacturing environments.



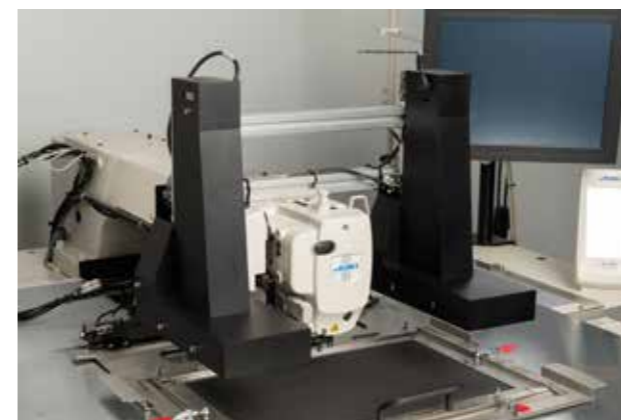
Automatic bobbin-thread winding and feeding unit



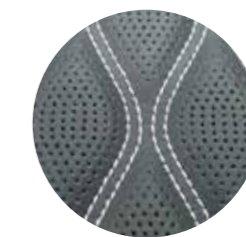
Constant-quantity bobbin thread feeding mechanism

Perforation Camera System

This device contributes to expanded design possibility of decorative stitches for car seats and more applications.



What is perforation?



Perforation is a kind of technique for decorating materials. In terms of sewing, perforated materials like leather sheets that have small perforations in them.

Components of Camera System	Part Number: 40269136
	Cameras: Two
	Personal Computer: One
	Touch Panel Monitor: One
Filming LED Light (provided with the automatic illuminance adjustment function)	

OPTIONAL ACCESSORIES

Clamp Bayonet

Part Number: 10014



Needle Cooler

Part Number: 40218933

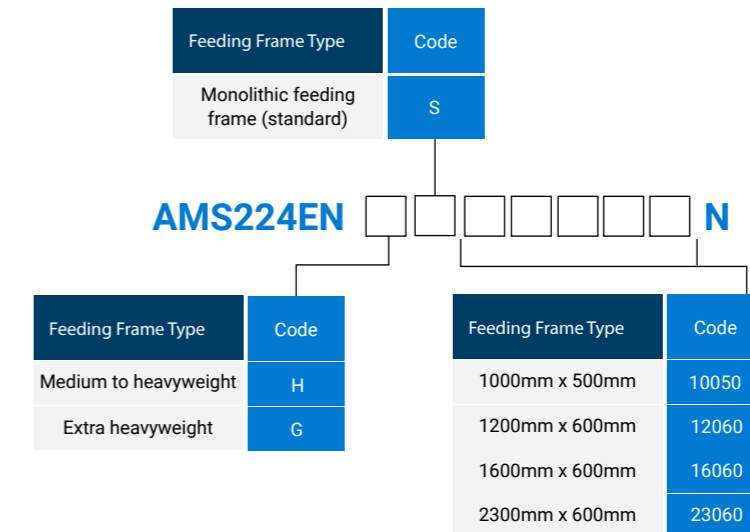
SPECIFICATIONS

Application	Medium to heavyweight material
Max. sewing speed	2,500 sti/min*
Settable stitch length	0.1-12.7mm (0.05mm step)
Needle bar stroke	41.2mm
Stroke of Intermediate Presser	Standard 0.3-5mm (max. 0-7.0mm)
Change in height of the intermediate presser	Stepless control by programming (controlled by a stepping motor)
Needle thread tension	Active tension (electronic thread tension control)
Needle thread breakage detecting device	Provided as standard
Thread trimming device	High-speed thread trimming mechanism driven by stepping motor
Needle (at time of delivery)	DP x 17 (#23)
Thread	#50~#2 Tex 135-207
Hook	Double-capacity shuttle hook
Lubrication	Semi-dry type (the frame is lubricated with grease/the 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)
Compressed air	0.5-0.55 MPa (Max. 0.55 MPa)
Air consumption	1.8dm ³ /min (ANR)

* sti/min is the abbreviation for "stitches per minute"

When you place orders

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



JUKI ECO PRODUCTS	The AMS-224ENG Series is an eco-friendly products which complies with JUKI ECO PRODUCTS standards for protecting the environment.
	<ul style="list-style-type: none"> 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: https://www.juki.co.jp/en/company/eco
	<small>*The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBD - E) 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.</small>



Registered Organization : JUKI CORPORATION Head Office
 The Scope of the Registration : The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

JUKI
 JUKI AMERICA, INC.
 SEWING MACHINE DIVISION
 4220 West 104 Street, Suite 1A
 Hialeah, FL 33018, U.S.A
 PHONE: +1 (305) 594-0059
 EMAIL: Home@juki.com
<https://www.juki.com>

* 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.
 * Paper from responsible sources F5 C™ C001712

JUKI CORPORATION