AMS-224EN-6060
Computer-controlled Cycle Machine with Input Function

The AMS-224EN-6060 is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment. For details of JUKI ECO PRODUCTS, refer to: http://www.juki.co.jp/eco_e/index.html

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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.

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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.
**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.

**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.

**SPECIFICATIONS**

- Max. sewing speed: 2,000 st/min* (stitch length 3mm or less)
  - 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: 10mm / Stroke: Standard 4mm (D~10mm)
- Variable lower position of the intermediate presser: Standard 0~4.0mm
- Change in height of the intermediate presser: Steppless 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): Hook: JUKI New Defrix Oil No.2 (equivalent to ISO VG32)
- Storage of pattern data in the memory: Main-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 / 1.8dm³/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)

**WHEN YOU PLACE ORDERS**

- Please note when placing orders, that the model name should be written as follows:
- To order, please contact your nearest JUKI distributor.
  - Refer to the catalog for the AMS-224EN for details.

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