



## Product Sheet

### Juki AMS-210EN

#### Category: Industrial sewing machines

#### Juki AMS-210EN & AMS-221EN – Programmable braiding machine

The AMS-210EN and AMS-221EN are computer-controlled braiding machines for labels, emblems, Velcro and special braids. With up to 2,800 stitches/min, programmable cycle sewing and low energy consumption, they deliver fast, accurate and flexible production with high quality. The machines are easy to program, adaptable to different materials and deliver reliable results even at high volumes – an efficient choice for modern industrial sewing.

- High productivity
- Programmable cycle sewing
- Flexible applications

## Product description

### AMS-210EN & AMS-221EN – Programmable trimming machine for precise and efficient sewing

The AMS-210EN and AMS-221EN are computer-controlled, programmable trimming machines designed for fast and precise sewing of labels, emblems, Velcro fasteners and shaped trims. Featuring the latest technology, these machines offer higher productivity, improved quality and energy savings, making them a more environmentally friendly alternative compared to conventional machines.

The high sewing speed of up to 2,800 stitches/min significantly speeds up the sewing cycle, increasing production rates. With programmable cycle sewing, the machines can easily handle everything from free pattern sewing to reinforcement seams and special stitching, making them flexible for various industrial applications.

The AMS-210 series includes different models with varying sewing areas to meet specific needs:

- **AMS-210EN-1306** (X: 130 mm x Y: 60 mm) – Ideal for smaller items such as labels and emblems.
- **AMS-210EN-1510** (X: 150 mm x Y: 100 mm) – Perfect for detailed sewing and precision work.
- **AMS-210EN-2210** (X: 220 mm x Y: 100 mm) – Suitable for larger items such as jeans pockets.

### Description

- High productivity – Up to 2,800 stitches/min for faster sewing cycles.
- Programmable cycle sewing – Free pattern sewing, reinforcement seams and special trimming.
- Flexible applications – Ideal for labels, emblems, Velcro fasteners and form trimming.
- Energy-saving technology – Lower energy consumption compared to traditional machines.
- Customisable sewing surfaces – Different models for both small and large items.

## Technical Specification

| Machine Specifications                                    |                                                                                                                                                                                                                                   |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • Maximum sewing speed                                    | 2,800 stitches/min                                                                                                                                                                                                                |
| • Stitch length                                           | 0.1–12.7 mm (0.05 mm increments)                                                                                                                                                                                                  |
| • Lift/stroke length for intermediate press foot          | Lift: 20 mm Stroke: Standard 4 mm (max. 0–10 mm)                                                                                                                                                                                  |
| • Adjustable lower position for intermediate presser foot | Standard 0–3.5 mm (max. 0–7 mm)                                                                                                                                                                                                   |
| • Wire tension                                            | Electronically controlled system with active wire tension                                                                                                                                                                         |
| • Hook device                                             | Double capacity hook                                                                                                                                                                                                              |
| • Memory capacity for sewing data                         | <ul style="list-style-type: none"> <li>Internal memory: Max. 500,000 stitches, 99 patterns (max. 50,000 stitches/pattern)</li> <li>External memory: Max. 500,000 stitches, 999 patterns (max. 50,000 stitches/pattern)</li> </ul> |
| • Enlarge/reduce function:                                | 1–400% (in 1% increments), adjustment by increasing/decreasing the number of stitches                                                                                                                                             |
| • Counters for coil wire/product                          | Yes (countdown/number update)                                                                                                                                                                                                     |
| • Lubrication                                             | Semi-dry hook section, minimal lubrication required (tank lubrication)                                                                                                                                                            |
| • Sewing machine motor                                    | AC servo motor 550W (direct drive system)                                                                                                                                                                                         |
| • Power supply                                            | Single-phase or 3-phase, 200–240V / 450VA                                                                                                                                                                                         |