AMS-210EN-1306/7450
Computer-controlled Cycle Sewing Machine with Input Function (Name Embroidery type)

This is the name (alphabetic/Japanese/Chinese characters) embroidering machine which achieves the highest sewing speed of 2,000 sti/min.

Features
- The maximum sewing speed of 2,000 sti/min is the highest one in the industrial sewing machine industry.
- The machine produces beautifully finished seams with a lower tension applied to the thread.
- No exclusive embroidery frame is required.
- The machine is provided with an operation panel with an input function which supports USB.
- The machine is able to embroider names (alphabetic/Japanese/Chinese characters) continuously.
The thread tension controller with its rotary tension mechanism, which is specific to embroidering, is adopted for the machine to promise beautifully finished name (alphabetic/Japanese/Chinese characters) embroideries with a lower thread tension. (Embroidery thread can be used.)

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The machine is provided with an operation panel with an input function which supports USB.

The machine has adopted the IP-420 with a large LCD panel and input functions as its operation panel. The operation panel supports USB, and various USB flash drives are also applicable. In addition, the finished shape of the name embroidery is displayed on the LCD panel screen. Consequently, the operator can operate the sewing machine while visually checking the finished name embroidery shape.

The sewing machine is capable of continuously carrying out embroidering of several different names.

Data on several different name embroideries can be input. The sewing machine stops every time it completes the embroidering of one name. As a result, the sewing machine is able to embroider several different names continuously.

Embroidery Sample

This is the name (alphabetic/Japanese/Chinese characters) which achieves the embroidering-machine industry’s highest sewing speed.

This model has achieved the industry’s highest sewing speed of 2,000 sti/min. Productivity is substantially increased.

No exclusive embroidery frame is required.

Since the machine does not need an exclusive embroidery frame, it is easy to place the product to be embroidered on the sewing machine, thereby increasing work efficiency.

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Embroidery Sample

Industries highest sewing speed

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Embroidery Sample
This software is developed exclusively for creating embroidery data. With the software, the operator is able to enter/edit new/existing data as if he/she were operating word processor software. The font data can be converted to the embroidery data.

Character data can be created with ease.

Embroidery data can be easily created simply by inputting the character to be embroidered, selecting the font and clicking the relevant icon.

1. Character entry box
2. Font selection box
3. Character size
4. Interval between characters

(Data creation flow)

- Input a character in the “character entry box”.
- Select a font in the “font selection box”.
- Select (input) the character size and the interval between characters.
- Click the “Stitch” icon.
- Transfer the data to the AMS.

Many different editing functions

Not only enlargement/reduction in size, rotation, move and copy of the characters, but also changes in sewing pitch and stitching order and the insertion of thread trimming can be carried out with ease. It is also possible to read images through the scanner to create data on embroidery (single-pattern embroidery).

Three different languages, i.e., English, Chinese and Japanese are supported.

The sewing machine supports three different languages; English, Chinese and Japanese.

Many different character fonts

The sewing machine has 80 or more different built-in alphabetical fonts. True Type Fonts prepared by Windows are also applicable.

(Operating environment of PM-3)

- CPU: Intel Pentium4 2.2 GHz or higher, or an equivalent processor is recommended.
- Memory: 1 GB or more of space is recommended.
- Screen resolution: 1024×768 pixels or larger, and 65,000 colors or higher are recommended.
- CD-ROM drive, mouse and USB port(s) are required.
- OS: Windows XP, Windows VISTA, Windows 7

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Windows True Type Font selection screen
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model name</th>
<th>AMS-210EN-1306/7450</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. sewing speed</td>
<td>2,000st/min</td>
</tr>
<tr>
<td>Sewing area</td>
<td>X: 130mm × Y: 60mm</td>
</tr>
<tr>
<td>Application</td>
<td>Standard (Light- to medium-weight)</td>
</tr>
<tr>
<td>Feeding frame type</td>
<td>Monolithic feeding frame</td>
</tr>
<tr>
<td>Motor-driven feeding frame (lifting amount: 25mm)</td>
<td></td>
</tr>
<tr>
<td>Settable stitch length</td>
<td>0.1~12.7mm (0.05mm step)</td>
</tr>
<tr>
<td>Lift / Stroke of the intermediate presser</td>
<td>Lifting amount: 20mm / Stroke: Standard 4mm (0~10mm)</td>
</tr>
<tr>
<td>Variable lower position of the intermediate presser</td>
<td>Standard 0<del>3.5mm (max. 0</del>7.0mm)</td>
</tr>
<tr>
<td>Needle bar stroke</td>
<td>41.2mm</td>
</tr>
<tr>
<td>Needle thread tension</td>
<td>Rotary type</td>
</tr>
<tr>
<td>Hook</td>
<td>Standard shuttle hook</td>
</tr>
<tr>
<td>Storage of pattern data in the memory</td>
<td>Main-body memory: Max. 500,000 stitches, 999 patterns (max. 50,000 stitches / pattern)</td>
</tr>
<tr>
<td>External media: Max. 50,000,000 stitches, 999 patterns (max. 50,000 stitches / pattern)</td>
<td></td>
</tr>
<tr>
<td>Bobbin thread / Product counter</td>
<td>Up / Down system (0~9,999)</td>
</tr>
<tr>
<td>Lubrication</td>
<td>Semi-dry / hook section: minute-quantity lubrication (tank system)</td>
</tr>
<tr>
<td>Lubricating oil</td>
<td>JUKI New Defrix Oil No.2 (equivalent to ISO VG32)</td>
</tr>
<tr>
<td>Sewing machine motor</td>
<td>AC servomotor 550W (direct-drive system)</td>
</tr>
<tr>
<td>Power requirement / Power consumption</td>
<td>Single-phase, 3-phase 200~240V/450VA</td>
</tr>
<tr>
<td>Weight</td>
<td>Machine head: 69kg, Control box: 16.5kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1,200mm(W)×710mm(D)×1,200mm(H) (thread stand is not included)</td>
</tr>
</tbody>
</table>

*“st/min” stands for "Stitches per Minute."*

### WHEN YOU PLACE ORDERS

<table>
<thead>
<tr>
<th>Sewing area</th>
<th>Code</th>
<th>Subclass</th>
<th>Code</th>
<th>Pedal switch</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>X: 130mm × Y: 60mm</td>
<td>1306</td>
<td>7450</td>
<td>C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Machine head**

**Control box**

**Table stand**

<table>
<thead>
<tr>
<th>Power supply</th>
<th>Code</th>
<th>Feeding frame type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-phase</td>
<td>200~240V</td>
<td>Motor-driven work clamp</td>
<td>1</td>
</tr>
<tr>
<td>Single-phase</td>
<td>200~240V</td>
<td>Motor-driven feeding frame</td>
<td>1</td>
</tr>
</tbody>
</table>

**JUKI ECO PRODUCTS**

The AMS-210EN-1306/7450 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.
- 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 Guidelines is the voluntarily established criteria to eliminate not only the aforementioned six substances, but also other ones which also adversely affect the environment.

**JUKI CORPORATION HEAD OFFICE**

An environmental management system to promote and conduct the following:

1. Environmentally friendly development of products and technologies
2. Energy efficiency and cost reduction
3. Green procurement and green purchasing
4. Environmentally friendly operation of the company
5. Public relations for environmental activities
6. Reducing and recycling of waste

In this catalogue of sewing machines and industrial sewing machines, etc., all products and services are made with the aim of sustainability and environmental protection, minimizing harm to the environment.