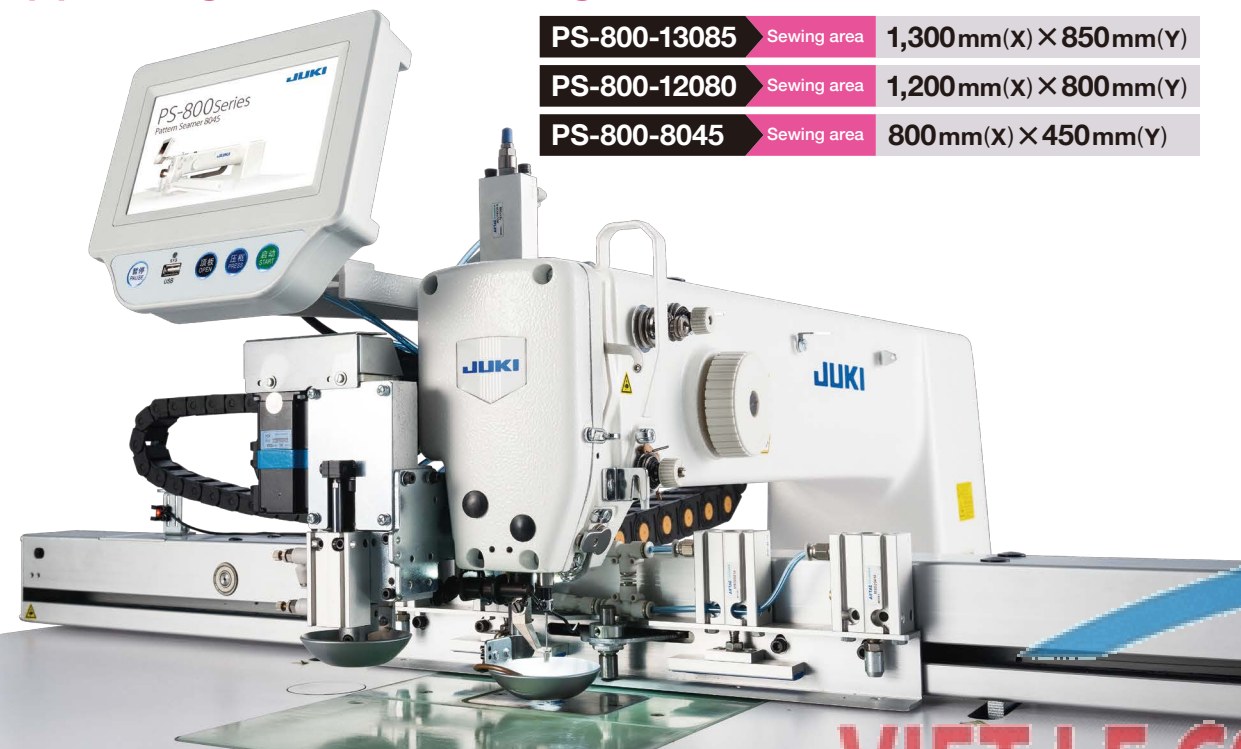


The dry head machine achieves max. speed 3,000 sti/min with supporting various sewing and materials.



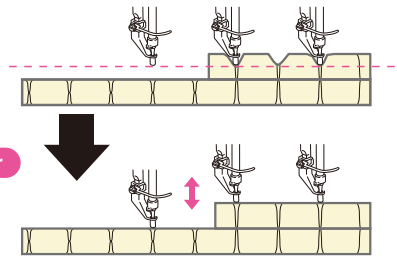
| | | |
|---------------------|-------------|-----------------------|
| PS-800-13085 | Sewing area | 1,300mm(X) × 850mm(Y) |
| PS-800-12080 | Sewing area | 1,200mm(X) × 800mm(Y) |
| PS-800-8045 | Sewing area | 800mm(X) × 450mm(Y) |

Height of the intermediate presser at its lower dead point can be adjusted on the operation panel

It is possible to change the intermediate presser height at its lower dead point steplessly during sewing. This feature is particularly effective when sewing multi-layered portions of material. Since the material is stably held by the intermediate presser, sewing troubles such as stitch skipping and thread breakage are prevented.

Intermediate presser in general
Height of the intermediate presser is fixed at a certain height.

Programmable intermediate presser
The intermediate presser goes up/comes down in accordance with the material thickness.



Operation panel

The sewing pattern data format are supports DXF, AI, PLT, and DST. Sewing pattern data in these formats are widely used in many sewing plants. As a result, the operation panel is able to use the customers' existing sewing pattern data immediately. As many as 999 sewing patterns can be saved on the large-capacity memory of the operation panel. (Editing software is included with the accessory.)



Cloth trimmer specifications

The cloth trimmer comes in two different knives and a laser.

- **Rotary knife** This knife is suited to the sewing products designed to have straight portions and curve portions.
- **Laser cutter** This lazer is suited to heavy-weight hard materials and soft materials such as knit.



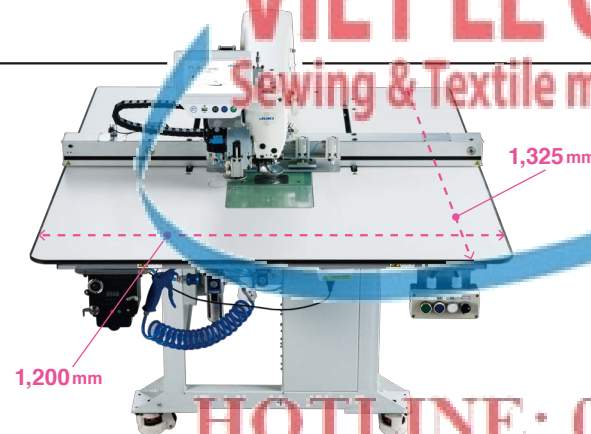
Rotary knife

Feeding type and sewing area

- **Double stepping motor belt drive type**



- **Screw drive (ball screw) type**



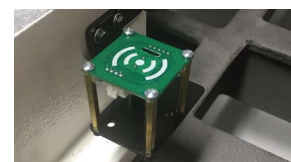
◆ Space-saving PS-800-8045

The PS-800-8045 can be installed in a space-saving manner. Not only the parts department but also sewing lines can be used. (The table size width is 1,200mm, the same as 1-needle lockstitch machine)

Patterns are identified by means of RFID/Barcode reader to enable automatic reading of sewing data

Sewing patterns are automatically identified by means of RFID/Barcode reader to automatically call up the relevant sewing program, thereby starting sewing quickly.

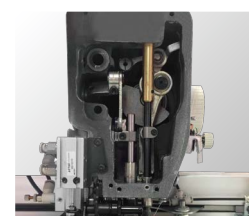
*RFID (radio frequency identification): It is the technology to read and write data saved on IC chips through wireless non-contact transfer of radio frequency waves and is used to identify and manage products.



Oil stains are prevented

The machine head has adopted the advanced dry technology (no lubrication is required). Only the hook needs lubrication.

The dry head is very effective when sewing materials on which oil stains are likely to spread such as those for down jackets.



Optional Device

| Option | Parts No. | Features | Remarks |
|--|-----------|--|--|
| Bird nest prevention device | 40228695 | Stitching trouble called "bird's nest" phenomenon (needle thread tangles on the undersurface of the material to form a thread ball) is prevented by the needle thread hauling function. | Supported by all models |
| Third thread tension unit | 40228696 | This is the unit that is able to partially change the thread tension on a sewing pattern. | Only for the stitching category "S" (For H, this unit is provided as standard) |
| Active tension device | 40228700 | The needle thread tension can be electrically changed. Needle thread tension can be set easily on the operation panel on a stitch-by-stitch basis to allow not only setting of the needle thread that is interlocked with the material thickness but also as correction of the thread tension that is likely to vary according to the direction of sewing. | Supported by all models |
| Lower thread clamp device | 40228698 | The amount of thread remaining on a bobbin is detected with the sensor to allow the sewing machine to stop when the predetermined amount of thread is reached before the thread wound on a bobbin runs out. With this device, the operator is able to concentrate on sewing work without worrying about the remaining bobbin thread amount. | Supported by all models |
| Bobbin changer device (Six bobbins can be loaded) | 40228702 | Provided that a spare bobbin case which is loaded with a bobbin fully wound with thread is set before starting sewing, automatic replacement of bobbin cases is enabled to spare the operator the trouble of changing bobbin cases by hand, thereby increasing production efficiency. | Supported by all models |
| Bobbin changer device (Eight bobbins can be loaded) | 40228699 | Provided that a spare bobbin case which is loaded with a bobbin fully wound with thread is set before starting sewing, automatic replacement of bobbin cases is enabled to spare the operator the trouble of changing bobbin cases by hand, thereby increasing production efficiency. | Supported by all models |
| Thick material kit | 40228701 | This is the gauge parts set for sewing heavy-weight materials. | Only for the stitching category "S" (For H, this unit is provided as standard) |
| Barcode reader unit | 40235197 | Sewing pattern that matches the template can be called up when the barcode on the template is read by the barcode reader. | For the electrical component category "V" and "W", this unit is provided as standard |
| Template lift cylinder asm. | 40234778 | This is the device that lifts and supports the template from under the table to allow the template to be inserted into the correct position. | Only for the PS-800-8045 |
| Pen stick asm. | 40228670 | This is the device for writing a sewing reference mark on the material fabric with the pen by means of the XY feed mechanism. | Supported by all models |

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