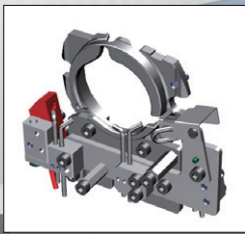


Option Detectors

Suitable for sewing of
airbags, sports shoes,
bags, etc.

An optional device of JUKI that can be wholly retrofitted. What's more, it is easy to use and increases productivity and work efficiency.

Also watch the video



2 Skip Stitch Detector
For details, see the next page.

3 Bobbin Thread Remaining Detector
For details, see the next page.



AMS-221F

1 Thickness Detector

It checks the piles of set materials by the thickness and, if there is any setting error, stops the sewing machine and notifies the operator. Since the check is done before sewing, mistakes and waste are prevented and productivity is improved!



For products such as airbags, it is difficult to visually check the piles of set materials, which can lead to sewing mistakes.

The burden of correction work is heavy Disposal of material
100% inspection of the same lot due to defective products

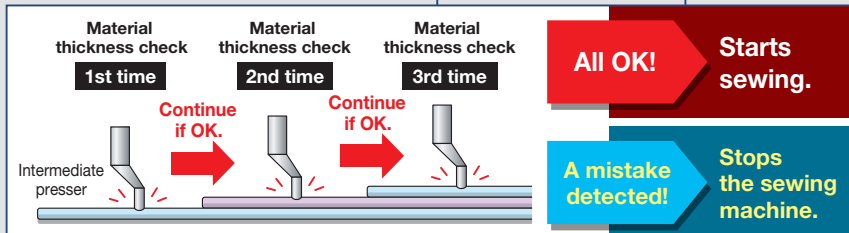
A setting mistake detected!

Stops the sewing machine.

Sewing mistakes and waste are prevented!



Intermediate presser



- Can detect material thickness up to 10 mm (theoretically).
- May not detect depending on the material.
- Up to 50 types of material thickness can be set.

By setting parameters in the sewing data, it identifies whether the piles of set materials is correct. The thickness of the material set by the operator is measured by an intermediate presser before sewing. Measurements are made at multiple points, and sewing starts only when the piles of stacked materials is correct. These prevent the outflow of defective products and the disposal of materials, and support the quality judgment of sewn products.

2 Skip Stitch Detector

A skip stitch is automatically detected the moment it occurs, and the sewing machine is stopped. Productivity increased by preventing the spread of sewing troubles and reducing waste!



Occurrence of skip stitch is difficult to detect during sewing, and it greatly affects the subsequent process.

100% inspection of the same lot due to defective products

Disposal of material

Additional work is required

Occurrence of skip stitch detected!

Stops the sewing machine.

Spread of sewing troubles prevented!



Since it detects the abnormality of the thread crossing over the bobbin case, it is not affected by the pitch or thread tension. If a skip stitch is detected, the sewing machine is stopped and the error code is displayed on the operation panel. Therefore, operators can concentrate on their work without worrying about skip stitches. Finding defective skip stitches during sewing reduces the load of inspection work and prevents the outflow of defective products.

3 Bobbin Thread Remaining Detector

Automatically detects before the bobbin thread runs out and notifies you. Possible to avoid sewing troubles in advance, reducing the burden on the operator and improving efficiency!



Even if the bobbin thread runs out during sewing, the operator does not notice it and continues to sew only with the needle thread.

It is necessary to work while checking the remaining amount of bobbin thread

Loss of operator time

Reduced work efficiency

Remaining bobbin thread about to run out!

Notifies you or stops the sewing machine.

Sewing troubles avoided!



The remaining amount of bobbin thread is detected by a sensor using a dedicated bobbin. It can be set that, when the remaining amount of thread on the bobbin reaches the specified value, an error code is displayed on the operation panel and the sewing machine is stopped. As a result, sewing operators can concentrate on their work without worrying about the remaining amount of bobbin thread, increasing the productivity.

Option Detectors

[Bobbin Thread Remaining Detector, Skip Stitch Detector, Thickness Detector]

Applicable model	① Bobbin Thread Remaining Detector		② Skip Stitch Detector		Set ①+② For mounting two together	③ Thickness Detector	Main board ^{*1}
	For mounting solely	With Skip Stitch Detector For the machine head	For mounting solely	With Bobbin Thread Remaining Detector For the machine head			
AMS-210EN	40221612	40221613	40216792	40227095	40227263	40216791	40219088
AMS-221EN							40219089
AMS-224EN							40219090
AMS-221F	40225114	40225115	40220995	40227258	40227269	40225111	40226120

*1. When using a bobbin thread remaining detector and a thickness detector, it is necessary to replace the main board with a dedicated one. For the AMS-221F, replacement not required for the main board of part No. 40191400 Rev. 2 or later.

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* 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 FSC™ C001712