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**Semi-dry head, 2-needle lockstitch machine  
The "LH-3500A Series" with a large hook for jeans  
has been additionally launched.**



JUKI is going to additionally launch the semi-dry head, 2-needle lockstitch machine "LH-3500A Series" with a large hook for jeans on the market.

The LH-3500A, with a large hook for jeans, is provided with a "large hook" which is 1.7-fold larger than the standard hook provided for the model launched this last January. With the large hook, this machine helps reduce the frequency of bobbin thread changing when sewing jeans or the like with thick thread. In addition, the curvature of the thread path has been minimized to improve the feed locus. This promises a strong and smooth feed of the material even when sewing heavy-weight materials for jeans. As a result, the machine produces consistently-tensed seams with a constant stitch length, thus offering high-quality seams.

For the machine with a thread trimmer, the direct-drive system, where a compact servomotor is directly connected to the main shaft, has been adopted. With this system, the machine demonstrates excellent performance in every aspect, such as in energy saving, workability and the increased penetration force of the needle.

With the launching of the machine with a large hook, the full lineup of the 2-needle lockstitch machine LH-3500A Series consisting of 14 models in four different types is available. JUKI is going to expand its sales focusing on this series of machines which can offer a model with the best-suited specifications for any product item to be sewn with a 2-needle lockstitch machine.

## ◆ Features

### ● Seam quality

- For the lockstitch machines for jeans and heavy-weight materials (G type) requiring well-tensed seams, the curvature of the thread path has been minimized and the feed timing and motion locus of the feed dog have been reviewed. Through these improvements, the production of consistently tensed seams is ensured.
- The adoption of a high-torque motor helps increase the penetrating force of the needle by approximately 32 % as compared with JUKI's conventional machines. As a result, the needle ensures excellent penetrating force even when sewing multi-layered parts of a heavy-weight material.

### ● Oiling system

- The machine comes with a semi-dry head which prevents oil stains from appearing on sewing products due to oil from the frame (needle bar section). As a result, sewing product defects due to oil stains are reduced.
- A newly developed lubricating mechanism has been adopted for the hook. The oiling system can be changed over between two different ones according to your application. One is the "eco-oil system", which reduces the oil consumption by circulating the oil discharged from the hook section; and the other is the "clean oil system", which only feeds clean oil to the hook without circulating the oil discharged from the hook.

### ● Energy saving

- For the machine with an automatic thread trimmer, the direct-drive system, where a compact servomotor is directly connected to the main shaft, has been adopted. The power consumption is reduced by approximately 20 % by combining the direct-drive system with the new model control box (SC-920).