

June 4, 2014

**Long Distance from Machine-arm to Needle Improves Workability
Launching New 1-needle, Top and Bottom-feed, Lockstitch Machine
with Double-capacity Hook and Automatic Thread Trimmer "DU-1281-7"**



JUKI has launched the "DU-1281-7 1-needle, top & bottom feed, lockstitch machine with a double-capacity hook and automatic thread trimmer", in May in the overseas markets.

This has been developed by incorporating the "automatic thread trimmer" into the DU Series for non-apparel products, as well as by increasing the distance from the machine-arm to the needle. With its increased distance from the machine-arm to the needle, the newly developed machine promises easy handling of a wide range of large and heavy-weight materials such as car seats, sofas, baby buggies and tents during sewing, as well as facilitating decorative tacking with designed stitches.

This model achieved the industry-leading large size of the sewing space. The distance from the machine arm to the needle has become 28% wider (261mm to 335mm) and 18% higher (127mm to 150mm) than the current model, which enables easy handling of large materials. Thus the workability is substantially improved.

In addition, the machine is provided with the "automatic thread trimming mechanism", remarkably improving the workability and productivity of sewing and substantially reducing thread consumption. Furthermore, the thread trimmer's "knife-pressure" is adjusted according to the thread thickness in order to sharply trim "extra-thick thread" which is used for sewing heavy-weight materials. The conventional model requires a replacement of the relevant parts to adjust the knife pressure. On the other hand, with this new model, you are able to adjust the knife pressure simply by tightening or loosening a screw, thereby improving workability and reducing costs.

JUKI is expanding its sales of the DU-1281 Series sewing machine for non-apparel products, offering dramatically improved workability, to customer companies engaged in the manufacturing of car seats, furniture and other related products.

◆Features

●Improved Workability and Operability

■Large Sewing Space Improves Workability

- The distance from the machine arm to the needle has become 28% wider (261mm to 335mm) and 18% higher (127mm to 150mm) than the current model which enables easy handling of large and thick materials. Thus the workability is substantially improved.

■Simple-setting of the amount of alternating vertical movement

- The adoption of the alternating vertical movement control dial enables easy adjustment of the amount of the alternating vertical movement of the walking foot and presser foot without requiring any tool.

●Top Class Sewing Performance

■Consistent stitching performance

- The machine's powerful top & bottom feed demonstrates its performance when sewing car fabric seats. The lift of the presser foot is as high as 16 mm, which responds to the sewing of heavy-weight materials.

■Horizontal-axis full-rotary double-capacity hook

- The adoption of the vertical-axis double-capacity hook helps reduce the frequency of bobbin thread replacement, thereby promising sewing work with efficiency. This hook is also helpful not only when sewing with thick thread but also when sewing a long seam length. The titanium-coated hook has a higher degree of hardness than the conventional chrome-plated hook. It promises increased resistance to abrasion.

■Mechanism of thread trimmer

- The thread trimmer achieves consistent thread trimming regardless of thickness of the thread, i.e., from thin to thick thread. The machine has adopted the rotary thread trimming mechanism which matches, in particular, design stitch with thick thread for furniture and bags. The automatic thread trimmer improves workability and increases productivity. When compared with the sewing machine without a thread trimmer, the DU-1281-7 substantially decreases the consumption of thread. The knife pressure can be adjusted with the adjusting screw.