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JUKI launches the "AB-1351", which is the world's first belt-loop attaching machine with the ability to sew seven different "belt-loop sewing" patterns in one unit!



JUKI is launching its automatic machine, the "AB-1351 1-needle, automatic belt-loop attaching machine", which is best-suited to the sewing of belt-loops on slacks and casual pants. The AB-1351 is capable of flexibly sewing various kinds of belt-loops using its built-in seven different sewing patterns.

In general, the belt-loop attaching process consists of several different steps, i.e., preliminarily cutting of the belt-loop material into strips of fixed dimensions, folding them into the belt-loop shape, and sewing them on a garment body. For the AB-1351, the operator is only required to place a garment body on the sewing machine and press the start switch. The sewing machine automatically performs the aforementioned three steps, i.e., cutting, folding and sewing of the belt-loops, thereby dramatically increasing productivity.

There are many different methods of sewing belt-loops according to the manufacturer's apparel products and product designs. The AB-1351 is provided with seven different most-frequently used sewing patterns built-in to promise expanded applicability. Sewing patterns can be easily changed through the operation panel. In addition, JUKI's unique "loop feeding and folding mechanism" promises beautifully-finished belt-loops of consistent quality.

The AB-1351 is the new model added to JUKI's automatic machine lineup. JUKI anticipates a wide expansion of sales of this model which provides productivity and consistent seam quality not only to customers who have conventionally been promoting automatization of manufacturing processes, but also to those who are in demand of productivity-increasing sewing machines due to increasing salaries and a labor shortage.

◆Features

●Increase in productivity

- The operation panel (IP-420) with improved operability is used for the AB-1351. This operation panel permits easy changing of the belt-loop sewing shape, sewing size and sewing pattern, as well as detailed setting changes of the sewing position. In addition, cycle sewing can be programmed through the panel.
- Data which have been stored in the memory of the operation panel can easily be called up, thereby shortening the time required for setup in cases of the reuse of previous data.
- The operator needs only to place the garment body on the sewing machine. He/she will have a period of waiting time while the sewing machine is engaged in the belt-loop sewing operation. This means that the operator is thus able to attend to two units of the AB-1351 at one time by placing the material on one machine while the other machine is engaged in sewing, thereby contributing to further increased productivity.

●Promotion of production without requiring a skilled operator and improvement in product quality

In the case of standard sewing machines (general-purpose sewing machines), an operator's skill is required to sew belt loops exactly according to specified sewing dimensions and seam allowances with consistency. On the other hand, the AB-1351 has adopted JUKI's unique twin-drive type belt-loop feeding mechanism. The belt-loop drawing clamp and the belt-loop pushing roller operate in synch with each other, thereby ensuring an accurate belt loop length even when using soft and elastic materials. With this mechanism, even an inexperienced operator is allowed to carry out belt-loop attaching with consistency while maintaining adequate seam allowances (the allowance to be determined taking the belt thickness or other influencing factors into account) as in the case of skilled operators, thereby producing beautifully-attached belt-loops with no variation in quality.