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The premier model of the lockstitch machine "DDL-9000B Series" is launched with completely transformed features for improved performance, and comes at a reduced price.



JUKI's DDL-9000B Series "High-speed, direct-drive, lockstitch machine with an automatic thread trimmer" is launched on the 21st of September in China and on the 21st of November in Japan. With an eye on improved performance, as well as a reduced price, the DDL-9000B is evolved from the DDL-9000A, which has been enjoying customer praise and great support.

This series is the flagship machine among JUKI's continuously evolving direct-drive sewing machine series. It is a further improved 1-needle lockstitch machine with an automatic thread trimmer not only in terms of basic performance such as ease of use, quality and reliability, but also in terms of eco-friendliness such as electrical power saving, reduced noise, reduced vibration, reduced quantity waste oil and the disuse of hazardous substances specified by the RoHS Directive.

While having achieved a substantial improvement in its performance, the price of the DDL-9000B Series has been reduced. JUKI has confronted manufacturing cost trimming by reducing the number of parts in the design stage and by forming a project team to carry out quality maintaining activities to help shift the part procurement source from domestic suppliers to overseas ones with an eye on the further reduction of cost.

In the global depression which is said to be the worst in a century, JUKI is aiming at an increase in its market share mainly in the category of lockstitch machines, which are the most frequently used sewing machines in many sewing plants for apparel products and knits, primarily focusing on the DDL-9000B Series, which stands alone among competitor products.

Features

The DDL-9000B Series comes in three basic models, the S, M and D.

- Following its well-received predecessor model DDL-9000A Series, the DDL-9000B Series comes in three different models with respect to the lubrication method; S: Minute-quantity lubrication type model, M: Semi-dry head type model which only lubricates the hook section, and D: Fully-dry head type model which requires no lubrication.

Improved functions, operability and maintainability

- A newly-designed thread trimming mechanism has been adopted to achieve faster thread trimming speed. The speed is twice or more of that of the conventional model, thereby eliminating the waiting time for thread trimming. In addition, the drive mechanism has been modified, thereby eliminating problems such as thread releasing failure by the thread trimming mechanism and moving knife breakage caused by interference between the moving knife and the needle.
- The reduced-in-size presser foot lifting solenoid is built into the machine head. As a result, the operating noise is reduced and the power consumption is also reduced.
- The machine arm of the DDL-9000B has been designed to adopt JUKI's unique line configuration, following the DDL-9000A, to get sufficient illuminating light to ensure viewability around the needle, thereby further increasing ease of use.
- The sewing machine pulley is large and easy to turn by hand. It comes with an enhanced needle-tangling preventing function, thereby ensuring comfort in work.

Eco-friendliness

- A newly designed motor which is more compact in size has been adopted. In addition, the motor is, in the industrial sewing machine industry, the first motor which comes with an "energy saving mode." The power consumption during standby, therefore, is reduced by 30 % or more as compared with other motors. In the case of the availability rate of 25 %, the DDL-9000B achieves power consumption saving by approximately 15 % as compared with its predecessor model.
- The needle bar of the semi-dry head type model and dry head type model is finished with a special surface treatment called DLC (Diamond-Like Carbon Coating), which is excellent in its abrasion resistance and lubricity to improve its dry-head capability. As a result, grease changing will not be required for 10 years or more.
- The operation panel (CP-18A/-180A) is provided with a simplified production control function to enable the measurement and display of production volume and operating time. The production control function can be used, aiming at increased efficiency, for measuring a change in the required time of the operator's work sequence by changing operating conditions such as the location at which materials to be sewn are placed or the location at which the finished materials are placed, as well as for comparing the aforementioned required time of the operators in a process line to find the optimum workload for the respective operators in the line with a view to the achievement of the best line balance.