

JUKI®

DDL-8700-7/SC-920C/M92

1-needle, Lockstitch Machine with Automatic Thread Trimmer



**Standard model of JUKI
1-needle lockstitch machines
with automatic thread trimmer**



DDL-8700-7-0B / SC-920C / M92 / CP-18A

**DDL-8700-7 SC-920C/
M92**

1-needle, Lockstitch Machine with Automatic Thread Trimmer

The DDL-8700-7 is provided with the "new model control box" and the "new model compact servomotor," thereby substantially **saving energy.**



DDL-8700-7

1-needle, Lockstitch Machine with Automatic Thread Trimmer



SC-920C

The new model control box



M92

The new model compact-size servomotor

JUKI ECO PRODUCTS



The DDL-8700-7/SC-920C/M92 is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.

- This sewing machine reduces power consumption by 16% as compared with the conventional models.
- The sewing machine complies with the "Juki Group Green Procurement Guidelines" on the use of hazardous substances, which is stricter than other restrictions, such as those of the RoHS Directive.
- As compared with the conventional models, the mass of unrecyclable parts of the sewing machine has been reduced. Additionally, the product mass of the control unit (control box and motor) has been reduced by 17%, and the mass of packaging has also been reduced by 17%.

For details of JUKI ECO PRODUCTS, refer to: http://www.juki.co.jp/eco_e/index.html

* The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBDE) in electrical and electronic equipment.
The Juki Green Procurement Guideline is the voluntarily established criteria to eliminate not only the aforementioned six substances, but also other ones which also adversely affect the environment.

Reliable thread trimming mechanism.



The machine comes with a thread trimming mechanism that performs speedy and reliable thread trimming to achieve highly efficient sewing work.

Sewing mechanism that demonstrates outstanding responsiveness to materials to be sewn.

By thoroughly investigating and modifying the sewing mechanisms in order to achieve low-tension sewing, the machine flexibly responds to various kinds of materials and produces beautiful seams of consistent quality.

Machine head design that was developed in pursuit of beauty.

The optimum-balance and highly rigid machine head were created using the latest 3D-CAD design technology. Thanks to its low vibration and low noise feature, the machine head provides the operator with a comfortable work environment. In addition, the distance from the machine arm to the needle on the front of the machine head is sufficiently wide to allow easy handling of the sewing material.

The machine inherits the desirable features, such as high-speed stitching performance 5,000sti/min, extreme stitching performance, ease of operation, and reliability, from the highly evaluated previous JUKI lockstitch machines.

The machine provided as standard with attachment mounting seats.

The machine is provided as standard with extra attachment mounting seats for attachment of new auxiliary parts in the future. The extremely high durability of the seats ensures an extended service with frequent replacement of attachments.

The new model control box and the new model compact-size servomotor

SC-920C / M92

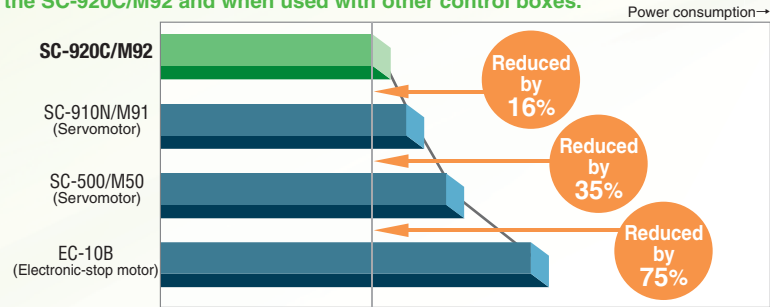
The new model control box, which energy-saving mode is provided.

The new model control box SC-920C has been newly developed. The control box is resistant to voltage fluctuations, noise and vibration.

The new model control box is provided with an energy-saving mode for the first time in a control box for sewing machines. It reduces power consumption during standby time when the motor is not rotating by approximately 25% (in comparison with the SC-910N).

In addition, the current DDL-8700-7 is lavished with the latest energy-saving technologies, including the adoption of the latest compact servomotor M92, to be more friendly to the environment, as well as to provide the power reducing effect and to increase productivity.

Comparison of power consumption of DDL-8700-7 between when it is used with the SC-920C/M92 and when used with other control boxes.



*When the sewing machine availability factor is 25%. *When the DDL-8700-7/SC-920C/M92 runs under the energy-saving mode.



Production support function

Two different operation panels, the CP-18A and CP-180A are applicable to the DDL-8700-7. Both operation panels are provided with the production support function.

The production support function actually consists of three different functions (six different modes), which are the output control function, operation measuring function and bobbin counter function.

Output control function

Target No. of products display mode/Target-actual result difference display mode

- Under the target No. of products display mode, the target number of products and the actual number of products produced according to the work hours are displayed.
- In the under target-actual result difference display mode, the difference between the target number of products and the actual number of products produced is displayed

Operation measuring function

Sewing machine availability display mode/Pitch time display mode/Average speed of stitch display mode

- Under the sewing machine availability display mode, the average sewing machine availability in the previous cycle and the current cycle is displayed.
- Under the pitch time display mode, the average process machining time in the previous cycle and the current cycle is displayed.
- Under the average speed of stitch display mode, the accumulated speed of stitch in the previous cycle and the current cycle is displayed.

Bobbin counter function

Bobbin counter display mode

- The operator is notified that the bobbin needs to be replaced before the bobbin thread runs out.

CP-18A



CP-180A



The machine has easy-to-operate functions to achieve improved operability.

By providing a presser foot with a higher lift(13mm), a light-touch stitch dial, a throat plate with marker grooves that can be used as guide for seam allowance, and other easy-to-operate functions, the burden on the operator is lightened, and productivity is further increased.



The location of the hinge to prevent the sewing material from being caught by the hinge.

The hinge is located as such so as to prevent the material from being caught by it, thereby improving workability.



SPECIFICATIONS

| Model name | DDL-8700-7 | DDL-8700A-7 | DDL-8700H-7 |
|---------------------------------|---|-------------------------------|----------------------------------|
| Application | Medium-weight | Light-weight | Heavy-weight |
| Max. sewing speed | 5,000sti/min* | 4,000sti/min* | |
| Max. stitch length | 4mm | | 5mm |
| Needle bar stroke | 30.7mm | | 35mm |
| Lift of the presser foot | By hand: 5.5mm By knee: 13mm | By hand: 4mm By knee: 9mm | By hand: 5.5mm By knee: 13mm |
| Needle | DBx1 (#14) #9~#18 134(Nm90) | DAx1 (#9) #9~#11 134(Nm65) | DBx1 (#21) #19~#23 134(Nm130) |
| Feed dog | 4-row | | |
| Hook | Automatic-lubricating full-rotary hook | | |
| Lubrication | Automatic | | |
| Lubricating oil | JUKI MACHINE OIL 7 (equivalent to ISO VG7) | | |
| Automatic reverse feed function | Provided as standard | | |
| Control box | SC-920C | | |
| Machine motor | Compact-size servomotor M92 (450W) | | |
| Power requirement | Single-phase 100~240V, 3-phase 200~240V | | |
| Power consumption | 320VA | | |
| Total weight | Machine head: 30kg / 35kg (with AK), SC-920C: 3kg, M92: 3.5kg | | |

*"sti/min" stands for "Stitches per Minute."

WHEN YOU PLACE ORDERS

Please note when placing orders, that the model name should be written as follows:

Machine head

| Application | Code | Wiper and one-touch type reverse feed | | | Auto-lifter | Code |
|---------------|------|---------------------------------------|-----------------------------|------|--------------|------|
| Medium-weight | / | Wiper | One-touch type reverse feed | Code | Not provided | / |
| Light-weight | A | Not provided | Provided | 0 | Provided | AK85 |
| Heavy-weight | H | Provided | Provided | W | | |

DDL8700 7 B

Control box

SC920C

| Power supply | Code |
|--|------|
| Single-phase 100~120V | S |
| 3-phase 200~240V | D |
| Single-phase 200~240V (for General Export) | K |
| Single-phase 200~240V (for CE) | N |
| Single-phase 200~240V (for China) | U |

Panel

CP18A
CP180A

● To order, please contact your nearest JUKI distributor.



JUKI CORPORATION HEAD OFFICE

Juki Corporation operates an environmental management system to promote and conduct the following as the company engages in the research, development, design, sales, distribution, and maintenance of industrial sewing machines, household sewing machines, industrial robots, etc., and in the provision of sales and maintenance services for data entry systems:

- ① The development of products and engineering processes that are safe to the environment
- ② Green procurement and green purchasing
- ③ Energy conservation (reduction in carbon-dioxide emissions)
- ④ Resource saving (reduction of papers purchased, etc.)
- ⑤ Reduction and recycling of waste
- ⑥ Improvement of logistics efficiency (modal shift and improvement of packaging, packing, etc.)

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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.