EX/EXT series

EX 5100
Cylinder bed overedger

EXT 5100
Variable top feed type
Cylinder bed overedger
Further search for ease of operation

The EX series cylinder bed type machines most suitable for cylindrical goods.

EX 5100 SERIES
Cylinder bed overedger

EXT 5100 SERIES
Variable top feed type
Cylinder bed overedger

Stitch length adjustment: Push-button
Differential feed ratio adjustment: Lever that can be adjusted intermittently during sewing

Maximum speed: 8,500 sti/min (EX)
7,000 sti/min (EXT)

Lubrication: Fully-automatic
Further search for ease of operation

The EX series cylinder bed type machines most suitable for cylindrical goods.

**Common specification**

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<tr>
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**Stitch length adjustment**
- Push-button

**Differential feed ratio adjustment**
- Lever that can be adjusted intermittently during sewing

**Maximum speed**
- 8,500 sti/min (EX)
- 7,000 sti/min (EXT)

**Lubrication**
- Fully-automatic
CLOSE UP

SMALL CYLINDER BED FOR SMALL CYLINDRICAL GOODS

The circumference of the cylinder bed is only 148mm. Cylinder bed type overedgers with the unique features of the EX series. These overedgers perform blindstitch hemming on small cylindrical goods, such as sleeve openings for children’s wear, as well as those for T-shirts.

Circumference 148mm

HIGH QUALITY PRODUCTS ACHIEVED BY ACCURATE TOP AND BOTTOM FEEDING

The top and bottom feed dogs feed the fabric accurately, producing high-quality products with no plyshift and/or twist.

Thanks to the independently driven top feed mechanism, feeding efficiency has been increased dramatically. This feature responds to a wide variety of fabrics, including light to heavy weight fabrics.

ATTACHING ELASTIC IS EASILY PERFORMED, PRODUCING BEAUTIFULLY FINISHED PRODUCTS

The elastic feeder/inserter (MC) constantly feeds the proper amount of elastic according to preset sewing data. Even if the amount of elastic should be changed in the same operation (ex. attaching elastic to leg openings), the amount of elastic will be able to be changed automatically at the required position. The automatic tape cutter cuts the tape correctly at the end of sewing, so finished products with constant sewing lines and beautiful quality can be usually obtained.

In addition, thanks to the adoption of the drop feed mechanism, as soon as the presser foot is raised, the bottom feed dog is lowered under the top surface of the needle plate. Therefore, positioning the fabric is easier.

Conventionally, attaching elastic to tubular goods continuously requires a high level of technique. However, the EX(T)5100 series deskill the operation. The operator can perform this operation smoothly on these series.

ATTACHING ELASTIC TO TUBULAR GOODS CONTINUOUSLY CAN BE PERFORMED EASILY

If the optional cloth plate which can be opened/closed easily is used, it will increase the applications. Then only one machine can perform both of operations such as blindstitch hemming and plain seaming.

ONE MACHINE RESPONDS TO VARIOUS SEWN PRODUCTS
ATTACHING ELASTIC IS EASILY PERFORMED, PRODUCING BEAUTIFULLY FINISHED PRODUCTS

The fabric tensioner (FR) holds the rib knit fabric and the body. The top and bottom feed dogs feed the fabric accurately. Therefore, the machine attaches rib knit fabrics to tubular goods easily and consistently regardless of operator skill.

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If the optional cloth plate which can be opened/closed easily is used, it will increase the applications. Then only one machine can perform both of operations such as blindstitch hemming and plain seaming.

PUSH-BUTTON TYPE STITCH LENGTH ADJUSTMENT

All you have to do is press the push button and turn the machine pulley. Thanks to this feature, you can effortlessly adjust the stitch length with ease of operation.
OPTION

**ELASTIC FEEDER WITH TAPE CUTTER/INSERTER**

Conventionally, this operation requires a high level of techniques. However, the elastic feeder/inserter with tape/thread chain cutter (MC) deskills the operation because it feeds the proper amount of elastic according to the machine speed and the automatic tape/thread chain cutter cuts the elastic based on preset data. Thanks to this device, attaching elastic accurately and uniformly to tubular goods is easy.

**FABRIC TENSIONER**

This device holds the fabric and elastic for the sewing of tubular goods, such as attaching elastic to waists. Thanks to this device, finished products are uniform, regardless of the operator’s skill. There are two types of user selectable fabric tensioners, movable and fixed types.

**DROP FEED MECHANISM**

Since a drop feed mechanism is employed, the bottom feed dogs drop below the top surface of the needle plate when the presser foot is raised. Use of this mechanism enables smooth fabric loading.

**ELECTRIC HEMMING GUIDE**

This guide automatically slides as soon as the sensor detects the cross seam section. This feature prevents misalignment due to stitch skipping or plyshifting on the cross seam sections, which tends to occur in blindstitch hemming operations. This device allows the operator to concentrate on the sewing operation. In addition, if a presser foot that has a different fulcrum is used, the EX (T)5100 series will perform blindstitch hemming more steadily and beautifully.

**THREAD CHAIN CUTTER**

A thread chain is cut as soon as it is sucked up by air suction. There is no need to cut the thread chain using scissors. Therefore, these devices dramatically increase operational efficiency.

**PNEUMATIC LINT COLLECTOR**

This pneumatic device strongly sucks up cutting waste and fine dust generated during sewing, providing clean and comfortable working conditions.

**PRESSER FOOT LIFT**

Pressing the treadle with your heel raises the presser foot. This device is easy to use, thus decreasing operator fatigue and increasing productivity.
**EX/EXT 5100 SERIES**

**05 OPTION**

This mechanism enables smooth fabric loading.

Since a drop feed mechanism is employed, the elastic according to the machine speed and the automatic tape/air suction. There is no need to cut the thread chain as soon as it is sucked up by the thread chain cutter.

Pressing the treadle with your heel raises the presser foot. This device is easy to use, providing clean and comfortable working conditions.

- **PL Drop Feed Mechanism**
- **TAPE CUTTER/INSERTER**
- **ELASTIC FEEDER WITH THREAD CHAIN CUTTER**
- **PRESSER FOOT LIFT**

**Additional Features**

- Uniform, regardless of the operator’s skill.
- Finished products are easy to produce.
- Hemming more steadily and beautifully.
- Plus stitch type and blindstitch (T)5100 series will be available.

**SUBCLASSES**

<table>
<thead>
<tr>
<th>Display cases</th>
<th>Stitch type</th>
<th>Fabric weight</th>
<th>Operation</th>
<th>Needle plate</th>
<th>Feed dog pitch</th>
<th>Feed dog row</th>
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**EX5100**

**EX5100-04/033N**

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</table>

**Seam Illustration**

1. 2-needle plain seaming
2. Plus stitch type and blindstitch
3. 1-needle plain seaming
4. Blindstitch hemming

**Additional**

- The specification and/or appearances of the equipment described in this catalog is subject to change without previous notice.

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EX/EXT series

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