# KM-1170BLX/1172BLX SERIES

Semi-direct drive, flat bed, 1/2-needles, unison feed, lock stitch sewing machine with horizontal large hook and automatic thread trimmer

For W24H service
www.sunstarcs.com | www.sunstar.co.kr

UNISON FEED

## KM - 117 ■ BLX ■ - ■

KM – 117 ■ BLX ■ – ■

| Needles | |
|---|---|
| 0 | 1-Needle |
| 2 | 2-Needles |

| Hook | |
|---|---|
| BLX | Large hook (x2.5 Capacity) |

| Application | |
|---|---|
| None | Medium material ~ Heavy material |
| H | Extra heavy material |

| Thread trimming | |
|---|---|
| None | Non-thread trimming |
| 7 | Auto-thread trimming |

## ⊙ Specification

| Model | | 1170 | | | 1172 | | |
|---|---|---|---|---|---|---|---|
| | | KM-1170BLX-7 | KM-1170BLX | KM-1170BLXH | KM-1172BLX-7 | KM-1172BLX | KM-1172BLXH |
| Application [material] | | Medium~Heavy | Medium~Heavy | Extra heavy | Medium~Heavy | Medium~Heavy | Extra heavy |
| Max. sewing speed [spm] | | 3,500 | 3,200 | 2,800 | 3,200 | 3,000 | 2,000 |
| Stitch length [mm] | | 0~12 | 0~12 | 0~12 | 0~12 | 0~12 | 0~12 |
| Lift of the presser foot [mm] | Hand | 12 | 12 | 12 | 12 | 12 | 12 |
| | Auto | 20 | 20 | 20 | 20 | 20 | 20 |
| Thread take up stroke [mm] | | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| Needle bar stroke [mm] | | 40 | 40 | 40 | 40 | 40 | 40 |
| Height of the feed dog | | 1 | 1 | 1 | 1 | 1 | 1 |
| Working area [mm] | | 335 | 335 | 335 | 335 | 335 | 335 |
| No. of needles | | 1 | 1 | 1 | 2 | 2 | 2 |
| Needle | | DPx35 (#12~#23) | DPx35 (#12~#23) | DPx35 (#22~#25) | DPx35 (#12~#23) | DPx35 (#12~#23) | DPx35 (#22~#25) |
| Hook | Drive type | Rotary | Rotary | Rotary | Rotary | Rotary | Rotary |
| | Position | Horizontal | Horizontal | Horizontal | Horizontal | Horizontal | Horizontal |
| | Capacity | x2.5 | x2.5 | x2.5 | x2.5 | x2.5 | x2.5 |
| Lubrication | | Auto | Auto | Auto | Auto | Auto | Auto |
| Thread roll | | ○ | ○ | ○ | ○ | ○ | ○ |
| Auto backtack | | ○ | - | - | ○ | - | - |
| Auto thread trimming | | ○ | - | - | ○ | - | - |
| Motor | | Servo motor (Semi-direct) | Servo motor (Semi-direct) | Servo motor (Semi-direct) | Servo motor (Semi-direct) | Servo motor (Semi-direct) | Servo motor (Semi-direct) |

Specifications and appearance of products are subject to change without notice for the performance improvement.





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Semi-direct drive, flat bed, 1/2-needles, unison feed, lock stitch sewing machine with horizontal large hook and automatic thread trimmer

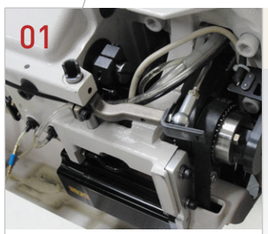
SunStar®

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## FEATURES

01



### Development of semi-direct drive

By developing lower shaft drive built-in motor type, minimize the contamination caused by the vibration and dust from V-belt. Also by applying fast and soft response, secure safe work environment.

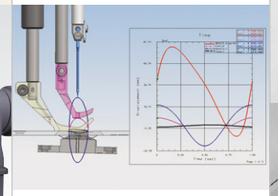
02




### Widen workspace

By securing the broad working area(width 335mm, height 148mm), increase work efficiency and enable to stitch big materials easily.

03



### Increase sewing ability by enhancing heavy material workability

Increase workability for heavy material through motion analysis(optimization of feeding element).

- Height of feed dog: 1.0mm
- Needle bar stroke: 40mm

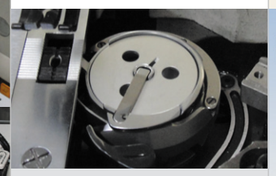
04



### Application of embedded LED (Option)

Minimize shadow of sewing point by arranging LED at the front of needle bar.

05



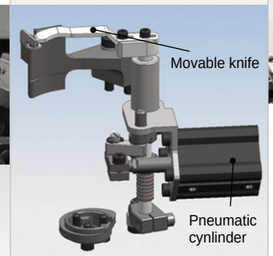


<1.6-times hook> <2.5-times hook>

### Application of large hook (x2.5 capacity)

Increase productivity by reducing bobbin replacement during stitching with large hook (x2.5 capacity).

06




### Application of pneumatic cylinder for thread trimmer

Improve the function of thread trimming for various thread and the durability by installing reliable pneumatic cylinder mechanism.

07






Overlapping portion of presser foot chaning button

### Various sewing capabilities by the button for changing overlapping portion of presser foot and switch

- Expand sewing capabilitiy scope according to the thickness of fabrics by loading two main/auxiliary climb dials.
- Secure easy changing of stepped pulley for workers by installing the button for changing overlapping portion of presser foot and knee switch.

08



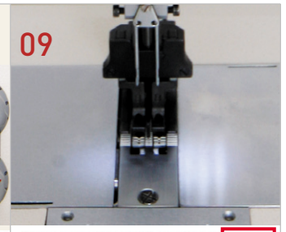



Stitch length changing button

### Enable to convert stitches by the stitch length changing button

- Expand sewing capability scope according to the thickness of fabrics by loading two main/auxiliary climb dials.
- Install the stitch length changing button to secure easy stitch length changing capability for workers.

09





Seam center guide ON/OFF button

### Improve 2-needle sewing capability by the seam center guide ON/OFF button

Secure the 2-needle sewing capability such as joint sewing by applying ON/OFF button and loading pneumatic seam center guide presser foot.

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### Semi-direct drive, flat bed, 1/2-needles, unison feed, lock stitch sewing machine with horizontal large hook and automatic thread trimmer

- Improved exterior design
- Development of semi-direct drive
- Increase working area through expanded interior space of arm
- Improve sewing capability through increasing workability for heavy material
- Application of embedded LED (Option)
- Increase productivity by the application of large hook (x2.5 capacity)
- Improve durability by the application of pneumatic cylinder for thread trimming
- Optimized design through the balance interpretation
- Various sewing capabilities by the button for changing overlapping portion of presser foot and switch
- Enable to convert stitches by the stitch length changing button
- Improve 2-needle capability through installing seam center guide presser foot (Option)

