

Specifications

Item	Model	PLK-J360°
Stitching style		Single-needle lockstitch
Hook		Double-size rotary
Needle		DP×17 #18 - LR - LBR
Sewing area (X x Y) (mm)		Variable from 140 x 140 to 198 x 30 mm
Max. speed (Note 1) (rpm)		1000
Feeding system		M3 motion : Intermittent and/or continuous
Stitch length (mm)		0.1 to 20.0 (min. resolution 0.1)
Max. stitches		20 000 stitches/pattern
Max. patterns (Note 2)		9 000
Memory medium		USB flash memory
Axis control		6 axis : Head & presser foot & thread tension & X & Y & θ
Upper shaft motor		Mitsubishi Electric 750W direct servo motor
Lower shaft motor		-
Work holder		Jig-eject system
Needle bar stroke (mm)		40
Thread take up lever stroke (mm)		73
Presser foot drive		Direct drive by stepping motor
Presser foot lift stroke		Max. 24.0 (step: 0.1)
Presser foot stroke		Digital adjustment stroke: 0.0 to 10.0mm
Upper thread tensioner		Manual or digital switchover method
		Input data save function provided
		Stitching direction-compatible automatic adjustment function provided
Trim knife type		Arc engagement type by main motor or from cam
Oil lubrication		Spray method: Spray time adjustment
Operation panel		6.5-inch color LCD touch panel with USB port
External device Input / Output		Total: 27 NPN + 2 Analogic (Free : 21 NPN / 2 Analogic)
Interface		Ethernet (Note 3) (CC-Link IE Field Basic compatible), USB communication
Barcode reader		USB barcode reader (HID) supported
Detection: Thread break, skipped stitch		Option
Stitch alert		Option
Programmable controller		Dual original step sequence function
Outline dimensions (mm) (WxDxH)		1200 x 1420 x 1650
Mass (kg)		217
Power supply		200 to 240V single-phase/three-phase

*1:Sewing speed may be limited by the type of sewing material, presser weight and stitch length, etc.

*2:The max. patterns may be limited depending on the number of stitches of each pattern in the memory.

*3:Ethernet is a trademark of Fuji Xerox Co., Ltd.



Safety Precaution

To ensure safe and proper use of the products in this document, please make sure to read the relevant instruction manuals and technical notes before use.

INDUSTRIAL SEWING MACHINES

PLK-J360°





The evolution of future sewing

Everything to improve usability

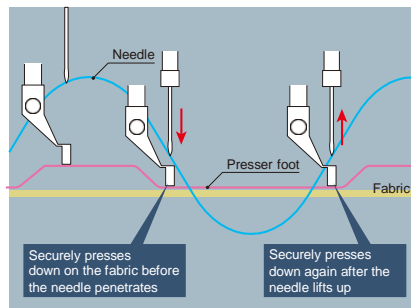
Saddle stitches Multidirectional sewing

The sewing machine sews always in the same direction thanks to a rotating clamp. Possibility to install LR or LBR needle



Independent presser foot motion

The fabric pressing time and timing can be adjusted digitally to prevent the fabric from lifting up. This contributes to stable needle location and reduce stitch skipping.



Standard software and panel

Similar to the other Mitsubishi Electric sewing machines.

Software settings recorded for each pattern to ease production changes
Presser foot, tension, E-stitch...

Sewing machines equipped with "Pokayoke" to prevent human error

Materials thickness confirmation function ensures proper material layers before sewing starts.

Quality assurance from quality control Equipped with the seam error detection function

The history and condition of every stitch can be transferred to storage device for future traceability.

E-stitch : Prevention of skipped stitches at start-up

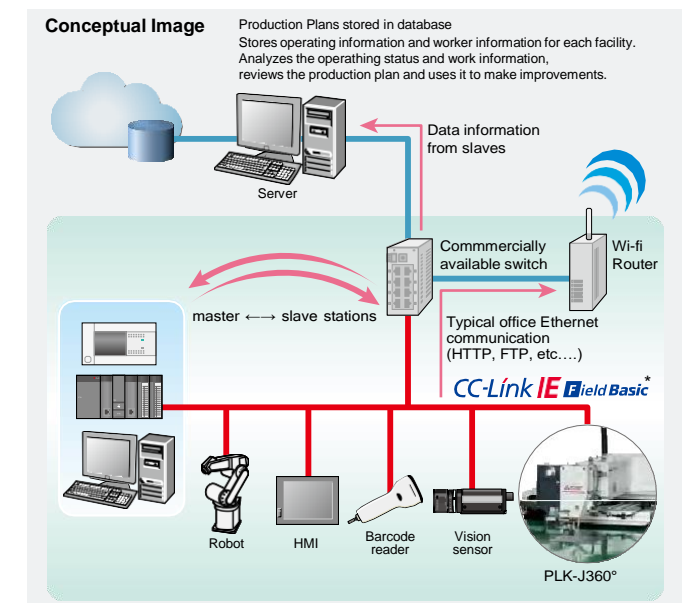
Perfect thread maintain at start-up.

Next-generation IT factory management

Integrated FA-IT solutions driven by Mitsubishi Electric



e-F@ctory enables visualization of operating status through enhanced communication functions, contributing to flexible factory management. The best partner for sewing machines and other Mitsubishi Electric FA products.



External presser foot available



Machine Compact: 1.42 x1.20m Safe: Safety light curtain



Easy to see operations and simple 6.5-inch color operation panel