



for a greener tomorrow



**MITSUBISHI
ELECTRIC**

Changes for the Better

FACTORY AUTOMATION



**GOOD
DESIGN**

INDUSTRIAL SEWING MACHINES PLK-J6040/6040R

Next-generation Sewing **J**





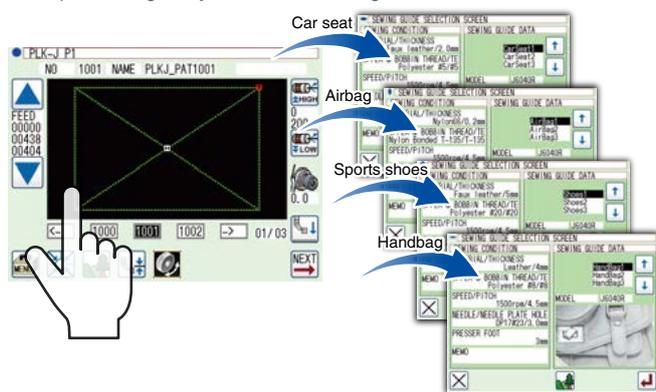
Everything to improve usability

Simple set-up with just one touch

Farewell complicated procedures for satisfied stitch

Basic settings can be re-called with just one touch

Set-up time is greatly saved for running time increase.



Optimum Pressor foot motion

Newly developed pressor foot motion control

Free adjustment optimizes stitch quality to sew a wide range of applications with various types of materials and thicknesses.

So fast, so accurate

World's fastest sewing speeds achieved

Seams with long or curved stitches are sewn quickly with high quality.

* 3.0mm stitch length : 2,300rpm (PLK-J6040R Intermittent feed)

Thread cuttable yarn count is improved

* PLK-J6040 : #30 - #1

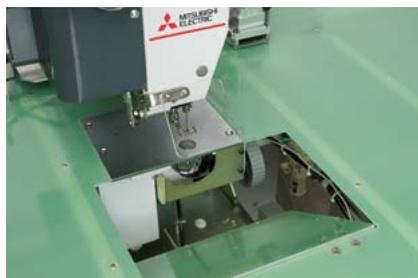
Leave tension adjustment to the sewing machine

Digital tension control as standard

Suitable digital thread tension adjustment is automatically controlled by stitch direction.



Easy maintenance!
New arm-shaped, glass epoxy slide plate



The bobbin can be replaced from the top



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



The evolution of future sewing

Sewing machines equipped with "Pokayoke" to prevent human error

Materials thickness confirmation function ensures proper material layers before sewing starts

Lubrication amount and interval digitally controlled to prevent missed stitch and excessive oil.

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.

Superior energy savings

Less vibration + Less noise = Less power consumption

Even operating at high speeds and using a large sewing area, the PLK-J6040R consumes less power than the PLK-G6030R.

Accomplishment of productivity and power consumption



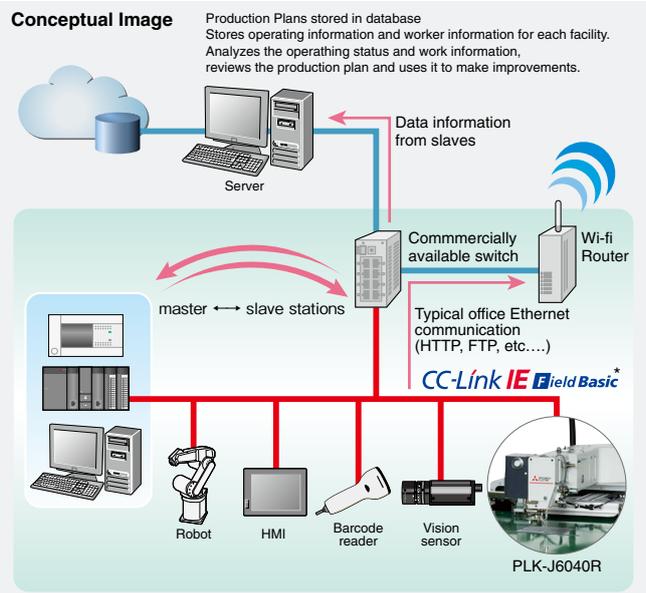
Higher speeds and larger sewing area. Power consumption cut by 25% compared to previous machines.

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.



Specifications

Item	Model	PLK-J6040	PLK-J6040R
Stitching style		Single-needle lockstitch	
Hook		Shuttle (Large)	Double-size rotary hook
Needle		DP×17 #18	
Sewing area (X x Y)		600mm x 400mm	
Max. speed ^{*1}		Intermittent: 2,000rpm Continuous: 2,000rpm	Intermittent: 2,300rpm Continuous: 2,500rpm
Feeding system		Intermittent or Continuous (switchover method)	
Stitch length		0.1 to 20.0mm (min. resolution 0.1mm)	
Max. stitches		20,000/pattern	
Max. patterns		9,000 ^{*2}	
Memory medium		USB flash memory	
Upper shaft motor		Mitsubishi Electric 750W direct servo motor	
Lower shaft motor		Mitsubishi Electric 400W direct servo motor	
Work holder		Chucking system	
Presser foot drive		Direct drive by stepping motor	
Presser foot lift stroke		18.0mm (max. 24.0mm) variable in 0.1mm step	
Presser foot stroke		Digital adjustment stroke: 0.0 to 10.0mm	
Upper thread tensioner		Manual/Automatic/Setting on pattern (switchover)	
Thread cuttable yarn count		#30 - #1	#30 - #5
Oil lubrication		Spray method: Spray time adjustment	
Operation panel		6.5-inch color LCD touch panel with USB port	
External device		Terminal I/O: 16input, 16output	
Interface		Ethernet ^{*3} (Support CC-Link IE Field Basic), USB port	
Barcode reader		Support USB barcode reader (HID)	
Programmable controller		Original step sequence function	
Outline dimensions		1,350 x 1,570 x 1,205mm (WxDxH)	
Mass		440kg	
Power supply		200 to 240V single-phase/three-phase 380 to 415V (optional unit required)	

*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.

Note: Be sure to confirm the details of the warranty when making a purchase.

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