

PLK-J2516-YU/2516R-YU

Computer-controlled cycle machine

Sewing area 300 x 200 mm



Versatile, intelligent, adjustable

When it comes to luxury leather goods, the quality of the threadwork has to be perfect. In the past, this could only be achieved by hand sewing every seam but today, a new generation of leather sewing machine has been developed thanks to the expertise and long experience of our design engineers in the leather industry. The result is the development of the PLK-J2516-YU, a leather sewing machine that combines all the most appropriate components and technologies in a flexible and adaptable configuration.

Because leather varies in thickness, the drive system of the PLK-J2516-YU is designed so that the rise height and the time the needle is in contact with the leather are finely adjustable. It is also able to detect the presence or absence of materials and start or stop sewing accordingly, thus avoiding untidy stitching at the beginning and end of seams. Easy operation and maintenance guarantees color LCD touch screen panel with USB port and ergonomic design.

Model Item	PLK-J2516-YU	PLK-J2516R-YU
Stitching style	Single-needle lockstitch	
Hook	Double-size shuttle	Double-size rotary
Needle	DP×17 #18	
Sewing area (X x Y) (mm)	300 x 200	
Max. speed (Note 1) (rpm)	M3 motion: 2300	
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	5 axis: Head & presser foot & thread tension & X & Y	
Upper shaft motor	Mitsubishi Electric 750W direct servo motor	
Lower shaft motor	-	
Work holder	Jig-eject system in option	
Needle bar stroke (mm)	41	40
Thread take up lever stroke (mm)	68	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 1144 x 1230	
Mass (kg)	187	
Power supply	200 to 240V single-phase/three-phase	

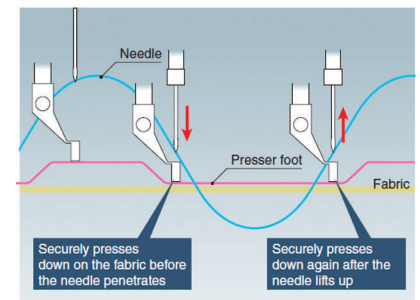
*1: Sewing speed may be limited by the type of sewing material, presser weight and stitch length, etc.

*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.

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 reduced stitch skipping.



Optimizes thread tightness in all stitching directions

Digital tension function

The sewing machine selects the optimum tension according to the stitching pattern.

