

DY 254ZD

DUKE

Automatic 2-needle Belt-Loop cutting Attaching Machine

The machine time is 1.2 seconds pre belt-loop, which ensures increased productivity. The feed mechanism incorporates a computer-controlled X-Y method to allow the operator to change the number of stitches and sewing sizes.

Key Feature

- 1) The machine time is 1.2 seconds per belt-loop (with 28 stitches).
- 2) With the improved consistency in belt-loop supply action and re-try capability, the machine down time is substantially reduced.
- 3) The machine quickly and reliably disposes splices without any delays in cycle time.
- 4) The newly developed machine head comes with a computer controlled X-Y linear feeding system which enables to program the number of stitches and size of bartacking.
- 5) Simple adjustment of the machine enables changeover of the cutting method between cross cutting and straight cutting.



Specification parameter

Model	DY 254ZD
Max. sewing speed	2,500sti/min*
Needle bar stroke	45.7mm
Thread	Spun thread, cotton thread #50~#30, B33~B46, Nm=120/3~60/3
Needle (at the time of delivery)	DP×17 (#21) #19~#21
Hook	Horizontal-axis 1.8 fold-capacity shuttle hook
Lift of the presser foot	21mm
Number of stitches	28, 36, 42 (selectable on the operating panel)
Needle gauge	43~70mm (1-11/16"~2-3/4")
Bartacking length	7~22mm (9/32"~55/64") <adjustable in increments of 0.1mm>
Bartacking width	1~3.2mm (3/64"~1/8") <adjustable in increments of 0.1mm>
Belt-loop width	9~20mm (23/64"~25/32")
Finished length of belt-loop	48~78mm (1-57/64"~3-5/64")
Machine time	1.2 sec./belt-loop (28 stitch)
Positioning of the front hook	Driven by motor (the distance between the hook can be established in increments of 0.01mm)
Bobbin winder	Electric type (provided as standard)
Lubrication	Centralized oil wick lubrication (machine head)
Compressed air and air consumption	0.5MPa (5kgf/cm ²), 32NI/min
Total weight	230kg
Dimensions	1,200mm (W)×800mm (D)×1,350mm (H: in its lowest end)
Height of the top surface of the throat plate as from the floor surface	920~1,250mm (provided with the adjustable stand capability)