

Product Sheet

JACK Z7

Category: Industrial sewing machines

The JACK Z7 is a digital triple-feed machine built for the heaviest fabrics
The JACK Z7 is a powerful triple-feed lockstitch machine, developed to sew thick and heavy fabrics with a smooth and reliable feed. With an AI-controlled motor, thickness sensor and touchscreen, it combines raw power with smart, user-friendly technology – perfect for car interiors, furniture, bags and mattresses.

- Triple feed for heavy fabrics
- Powerful 850 W motor with AI control
- Smart and user-friendly

Product description

JACK Z7 – power and intelligence for heavy materials

The JACK Z7 has been developed for production involving thick, heavy materials that require complete control. The feed dog, needle and presser feet move together in a triple feed mechanism that ensures smooth feeding through even the most demanding materials – from car seats and steering wheels to sofas, bags and mattresses.

The machine is equipped with an AI chip that detects changes in the material's thickness and resistance and instantly adjusts the motor's torque and piercing force. A thickness sensor automatically activates the second alternating presser foot and the extra thread tension when the seam passes over seams and thick sections.

Via the touchscreen with voice guidance, the operator can easily control functions such as the bar tack, presser foot lift and thread cutter. The electronic handwheel allows stitch adjustment with precision down to half a stitch, and at the touch of a button the machine switches to a shorter stitch length for corners and curves.

The JACK Z7 is the obvious choice for businesses seeking a powerful, intelligent and reliable machine for heavy-duty materials!

Description

- **Triple feed** – The feed dog, needle and presser feet work together to ensure smooth feeding of even the heaviest materials.
- **AI-controlled 850 W motor** – Adjusts torque and piercing force according to the material's thickness and resistance.
- **Thickness sensor** – Automatically activates the second presser foot and extra thread tension at seams and thick sections.
- **XXL 32 mm gripper** – For coarse thread and long seams.
- **Touchscreen with voice guidance** – Easy control of basting, presser foot lift and thread trimming, plus programmable function buttons on the machine head.
- **Double stitch length** – Switch to shorter stitches for corners and curves at the touch of a button.
- **Electronic handwheel** – Precise stitch adjustment in half-stitch increments.
- **Smart oil valve** – Electronic oil pump where the lubrication volume is controlled from the panel.
- **Standard features** – Thread cutter, automatic bar tack, pneumatic presser foot lift, dual stitch length, dual alternating presser feet and extra thread tension.

Technical Specification

Machine Specifications

• **Models**	• Single-needle with thickness sensor • Single-needle without thickness sensor • Double-needle with thickness sensor
• **Hook**	XXL, 32 mm
• **Needle system**	DP×35R, #19
• **Number of needles**	1 (single-needle) / 2 (double-needle)
• **Number of strands**	2 (single-needle) / 4 (double-needle)
• **Maximum stitch length**	9 mm (single-needle) / 12 mm (double-needle)
• **Presser foot lift**	20 mm
• **Maximum speed**	• Single-needle: 3,000 stitches per minute • Double-needle: 2,600 stitches per minute
• **Motor**	850 W, AI-controlled
• **Thickness sensor**	Standard (also available without)
• **Lubrication**	Electronic oil pump (smart oil valve)
• **Lighting**	Double-row LED
• **Dimensions**	950 × 410 × 770 mm