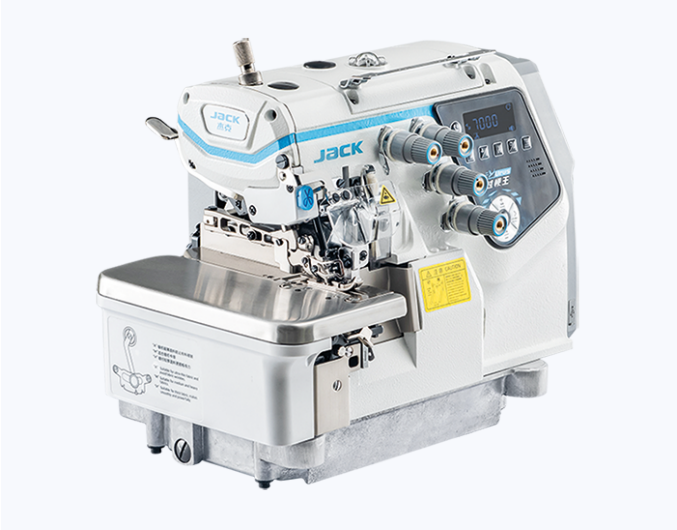


Product Sheet

JACK C7

Category: Industrial sewing machines

The JACK C7 is an overlock machine with artificial intelligence that adapts to the fabric
The JACK C7 is an intelligent overlock machine in which sensors detect the thickness of the fabric whilst you are sewing and automatically adjust the feed force and presser foot pressure. The result is even and consistent seams throughout the garment – even across seams and thick sections – at high speed.

- Overlock with artificial intelligence
- High speed – up to 7,000 stitches per minute
- Smart and user-friendly

Product description

JACK C7 – a smart overlocker for all fabrics

The JACK C7 has been developed for production where fabrics vary and consistency is essential. The machine's AI detects changes in fabric thickness at seams in real time and calculates the optimal balance between presser foot pressure and feed force – from fine knits to heavy denim.

With a speed of up to 7,000 stitches per minute and a torque of up to 9.2 Nm, the C7 maintains its pace even as the fabric gets thicker. The presser foot lifts automatically at seams, and the digital electric cutter trims the thread, leaving no more than 5 mm of thread remaining.

The control panel, featuring shortcut buttons and voice guidance, makes the machine easy to get started with, whilst the built-in Wi-Fi connection allows you to monitor production, adjust settings and receive service notifications via the app.

The JACK C7 is the perfect choice for businesses looking for a fast, smart and reliable overlock machine for a variety of fabrics!

Description

- Artificial intelligence – Detects changes in fabric thickness in real time and balances presser foot pressure and feed.
- Automatic presser foot pressure – The sensor adjusts the pressure and lifts the foot at seams.
- Powerful feed – Up to 7,000 stitches per minute and 9.2 Nm of torque to maintain speed through thick sections.
- L/M/H selector – Adjust the feed dog movement for light, medium or heavy materials.
- Three sewing modes – Manual, semi-automatic or fully automatic with photoelectric sensors.
- Digital electric cutter – Automatic thread trimming leaving a maximum of 5 mm of thread remaining.
- Control panel with voice guidance – Shortcut buttons and voice guidance for easy operation.
- Semi-dry lubrication – Grease-lubricated with a DLC-coated needle bar that keeps oil away from the material.
- Industry 4.0 – Built-in Wi-Fi for production monitoring and service notifications via an app.
- Optional extras – Pneumatic extraction of edge waste and wire scraps (KS/KH) and automatic chain attachment (BK).

Technical Specification

Machine Specifications

• **Models**	• 3-thread, 1 needle • 4-thread, 2 needles • 5-thread, 2 needles (safety stitch and cover stitch) • 6-thread, 3 needles • Denim versions, 5- and 6-thread
• **Needles**	1–3 pieces, sizes #11–#19
• **Stitch width**	4–6 mm, depending on the model
• **Stitch length**	0.8–3.8 mm (4-ply: 0.8–4.6 mm, denim: 0.8–5 mm)
• **Differential feeding**	0.7–2 (denim: 0.8–1.5)
• **Press-up**	5–10 mm depending on the model (4-wire: 10 mm)
• **Maximum speed**	7,000 stitches per minute (denim: 6,000 stitches per minute)
• **Maximum torque**	9.2 Nm
• **Dimensions**	525 × 360 × 510 mm