

Product Sheet

AITU Ai10

Category: Industrial sewing machines

The AITU Ai10 is the world's first sewing machine with a built-in AI camera. The AITU Ai10 is a lockstitch machine that learns from experienced operators. With a built-in AI camera, fully digital feeding and settings via QR code, it combines advanced technology with ease of use – for more efficient production and faster training.

- Built-in AI camera
- Settings via QR code
- Oil-free head

Product description

AITU Ai10 – the straight-stitch machine that learns from experience

The AITU Ai10 has been developed to enhance both quality and production capacity. The built-in AI vision system analyses the operator's hand movements and the material flow, compares them against an algorithm and suggests improvements – providing on-the-job training support.

The flexible, fully digital feed system means the machine is set up automatically when you scan a QR code. Wire tension, feed times and the movement of the feed gear are retrieved instantly, so the operator does not need to make manual adjustments every time the model is changed.

The head and body are completely oil-free thanks to bearings and a toothed belt – only the gripper requires lubrication. Electronic thread tension, a double knife that leaves less than 3 mm of thread, and feed movements adapted to the type of material make the machine both clean and versatile.

The AITU Ai10 is the perfect choice for businesses looking to take the leap into the future of smart sewing!

Description

- **AI vision system** – Built-in camera that analyses hand movements and fabric flow for increased capacity.
- **Motion analysis** – Records the operator's movements, suggests improvements and provides on-the-job training.
- **Digital feeding via QR code** – Scan a QR code to automatically set thread tension, feed times and feed movement.
- **Electronic wire tension** – Can be adjusted and accessed quickly from the control panel.
- **Customised feed movements** – Select the material type to activate a feed movement tailored to that material.
- **Oil-free head** – Bearings and timing belt; only the gripper is lubricated.
- **Double cutter** – Leaves less than 3 mm of wire.
- **Anti-tangle protection on start-up** – Prevents wire tangling at the start of the seam (requires compressed air).

Technical Specification

Machine Specifications

• **Needle system**	DB×1 #9–18
• **Number of strands**	2
• **Maximum stitch length**	5 mm
• **Press-up leg raises**	1–13 mm
• **Maximum speed**	5,000 stitches per minute
• **Materials**	light and medium-weight
• **Dimensions**	720 × 355 × 580 mm

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