Product Sheet

Tajima TMCS-VF

Category: Embroidery machines

Tajima TMCS-VF – Multi-head embroidery machines with a focus on quality and cost-effectiveness
The TMCS-VF series comprises Tajima's electronic multi-head machines, developed for professional embroidery production where high quality, stable operation and good cost-effectiveness are key priorities. The machine is designed to deliver consistent and precise embroidery in industrial environments.

- AC servo motors for high positioning accuracy
- Magnetic thread detection system
- Upgraded 12.1-inch touchscreen

Product description

Electronic multi-head machine for stable and efficient industrial production

The TMCS-VF is equipped with AC servo motors for both the main spindle and frame drive, ensuring high positioning accuracy even at speeds of up to 1,000 rpm. Tajima's proprietary motor control algorithm contributes to a stable stitch pattern and high repeatability during continuous production.

The machine is fitted with an upgraded control panel system featuring a 12.1-inch colour screen, a graphical user interface and touchscreen functionality. Direct command buttons and multi-coloured LED indicators on each embroidery head improve the operator's workflow and efficiency.

The TMCS-VF utilises Tajima's magnetic upper thread detection system, which monitors both the upper and lower threads regardless of thread type and stitch length. The system is not affected by dust or dirt and stops the machine immediately in the event of abnormal thread behaviour, thereby minimising rejects and unplanned downtime.

Description

- Electronic multi-head embroidery machine
- AC servo motors for main shaft and frame drive
- Magnetic upper thread detection system
- Upgraded 12.1-inch touchscreen
- Designed for stable industrial production

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Technical Specification

Machine Specifications

Machine type	Electronic multi-head embroidery machine
Drive system	AC servo motor for the main shaft and frame drive
Maximum speed	up to 1,000 rpm
Control panel	12.1-inch colour LCD with touchscreen functionality and a graphical user interface
Processor	32-bit CPU with increased memory capacity
Wire detection	Magnetic upper and lower thread detection system
Direct commands	Buttons and LED indicators on each head
Power supply	3-phase 200–240 / 380 / 415 V, 50/60 Hz
Energy consumption	approximately 1.0–1.2 kW, depending on the model
Number of people	depending on the model configuration
Optional extras	SBC, Sequencer Unit IV, Beam Sensor, Position Marker
File format	DST, TBF