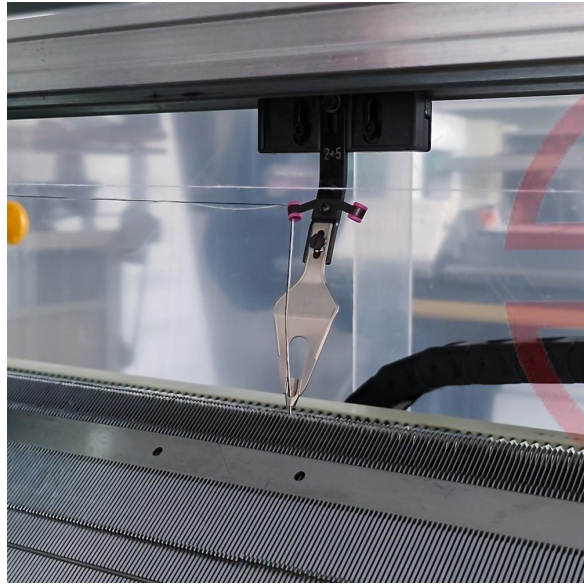


Collar Knitting Machine

Changshu Changhua Smart
Manufacturing Technology CO,LTD



Machine Details



Product Display





- The Changhua Fully Automatic Collar Knitting Machine is a revolutionary innovation tailored for high-efficiency, precision-driven collar production in the garment industry. Combining advanced computerized controls and servo-driven mechanisms, this machine automates the entire collar knitting process—from yarn feeding to shaping and seamless stitching—ensuring consistent quality and intricate detailing. Equipped with multi-axis motion technology and real-time tension adjustment, it supports diverse collar designs, including ribbed, rolled, or decorative styles, adapting effortlessly to fabrics like cotton, polyester, wool, and blends.
- Engineered for speed and scalability, the machine significantly reduces production cycles while minimizing material waste and labor costs. Its user-friendly touchscreen interface allows operators to program custom patterns, adjust dimensions, and monitor progress with ease. Integrated sensors detect errors instantly, enabling self-correction and reducing downtime. Energy-efficient motors and compact design further enhance sustainability and workspace optimization.
- Ideal for mass production and small-batch customization, the Changhua Collar Knitting Machine integrates seamlessly with smart factory systems via IoT connectivity, offering remote diagnostics and data-driven insights. By merging cutting-edge automation with versatility, it empowers manufacturers to meet dynamic fashion trends while maintaining superior craftsmanship and cost-effectiveness—redefining collar manufacturing for the modern textile era.

PRODUCT SPECIFICATION

Gauge	12G14G1618G
Knitting width	36, 42, 52, 60, 68, 80,100, 120 Inch
Knitting system	Single system, Double carriage single system (optional)
Knitting speed	Controlled by servo-motor with 32 sections optional, max speed reach 1.6m/s
Knitting function	Knit, miss, tuck, transfer, pointel, intarsia, jacquard, apparent or hide shaping and other regular or irregular patterns.
Racking	Controlled by servo-motor racking within 2 inches and with fine adjusting function.
Stitch density	Controlled by stepping motor, 32 section stitch select-able adjustable scope supported by subdivision technology: 0-650, the stitch of the knitwear can be accurately controlled.
Dynamic stitch	Using high speed stepping motor, multi-stitch function can be achieved in one line.
Needle selection	Advanced encoder reading pin.8-stage selecting needle setup composed of special electromagnet is regarded as efficient full width jacquard needle selector, which can be installed or removed simply from the carriage and maintained easily.
Transfer system	Not affected by the direction of the carriage, minute knitting.
Quickly turning	Intelligent switching braiding system improves machine weaving efficiency.
Take-down system	Machine With high roller and sub roller, infrared alarm, computer programs instruction, stepper motor control, 32-stagetension selection with an adjustable range between 0-100.
Color-changing system	2x8 yarn feeders on each side of 3 guide rails, shift able on any needle position.
Yarn feeder device	Accurately control the tension of the yarn and ensure the consistency of the whole woven piece quality.
Protection system	The machine will automatically alarm if yarn-breaking, knots, floating yarn, rewind, end of knitting, fail of racking, needle breakage, error programming occur, also set up the safety auto-lock protect device.
Control system	1. LCD industrial display, can display various parameters, which can be adjustable during operation.2.USB memory interface, System memory 2G.3.Free design system is visual and easy to understand and software upgrade free of charge.4.Support multi-language operation as Chinese and English, Spanish, Russian etc.
Network function	Has network interface, enable remote-monitoring via network, and connecting with ERP system.
Power supply	Single-phase 220V/three-phase 380V, adopt advanced CMOS technology, having memorizing function at power shock stop.
Volume and weight	2500*900*1700mm,700kgs(52inch)3800*900*1700mm,950kgs(80inch double carriages)
Volume and weight	2500*900*1700mm,650kgs(52inch)3800*900*1700mm,900kgs(80inch double carriages)