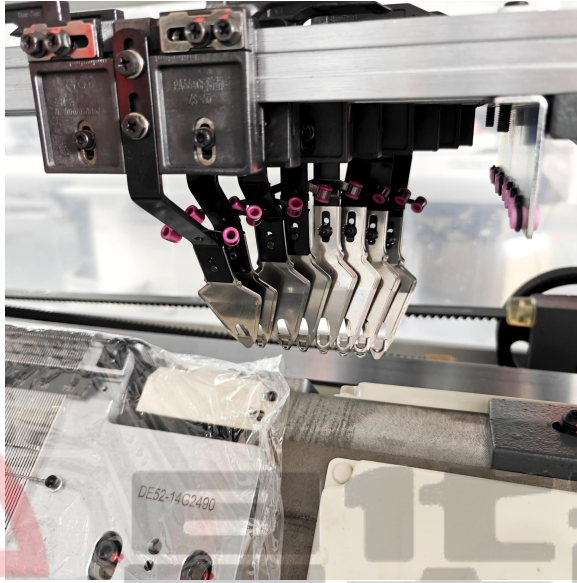


Simple Double System Hat Knitting Machine

Changshu Changhua Smart
Manufacturing Technology CO,LTD



Machine Details



Product Display





- The Changhua Simple Double System Hat Knitting Machine is a cutting-edge solution for high-efficiency headwear production, combining dual knitting systems with intelligent automation to deliver superior quality and unmatched productivity. This advanced computerized machine features synchronized needle beds that operate simultaneously, enabling the production of two identical hats in parallel or complex double-layered designs in a single cycle.
- Equipped with precision servo motors and automatic tension control, the machine ensures consistent stitch quality across various materials, from fine cotton to technical synthetic blends. The intuitive touchscreen interface allows for seamless pattern programming, including ribbed cuffs, colorwork designs, and 3D textures, with quick changeover between styles.
- With production speeds up to 25% faster than conventional machines and energy-saving components, it significantly reduces manufacturing costs. Optional IoT connectivity enables real-time monitoring and predictive maintenance for uninterrupted operation. Changhua's innovation meets the demands of both mass production and customization, offering fashion brands and sportswear manufacturers a competitive edge in the dynamic headwear market.

PRODUCT SPECIFICAYION

Gauge	7G9G10G12G14G16G
Knitting width	52, 60, 80,100, 120 Inch
Knitting system	Simple double system
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	Infrared alarm, computer programs instruction, stepper motor control, 32-stage tension selection with an adjustable range between 0-100.
Color-changing system	2x4 yarn feeders on each side of 4 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.
Refueling device	Automatic refueling: Control the refueling time and frequency by setting the time. The oil pump lubricate the jack and long jack needle on the needle bed automatically to reduce the wear of the machine and increase its service life.
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.
Non waste yarn Comb device	Non waste yarn Comb device (Optional)
Volume and weight	2500*900*1700mm,700kgs(52inch)
Presser device	Positioned on front and rear presser (Optional)
Volume and weight	3000*1000*1800mm1150kgs(52inch)
Reducing device	Automatic refueling: Control the refueling time and frequency by setting the time. The oil pump lubricate the jack and long jack needle on the needle bed automatically to reduce the wear of the machine and increase its service life.