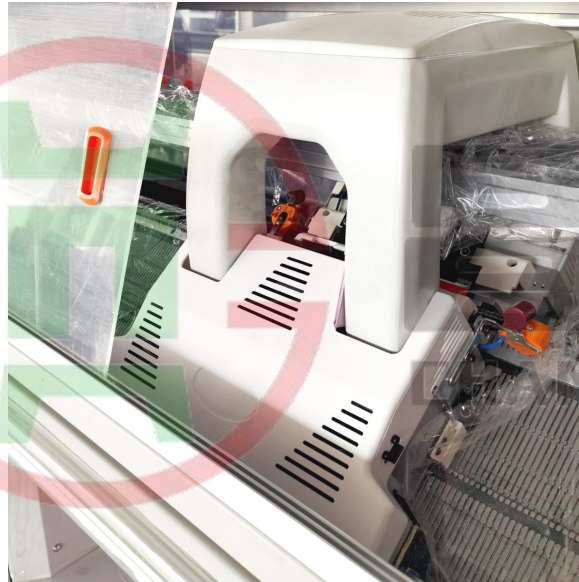


Computerized Flat Knitting Machine

Changshu Changhua Smart
Manufacturing Technology CO,LTD



Machine Details



Product Display





- The Changhua Computerized Flat Knitting Machine is a cutting-edge solution for modern textile manufacturing, blending intelligent automation with precision engineering to redefine flat knitting technology. Equipped with an advanced computer control system, it automates the entire production process—from yarn feeding to fabric formation—while precisely regulating stitch spacing, tension, and speed for uniform, high-quality textiles. Compatible with diverse materials, including wool, cotton, and synthetic fibers, it adapts to intricate patterns and density requirements, catering to fashion apparel, home textiles, and industrial applications.
- Featuring a modular design, the machine achieves daily outputs of thousands of units while supporting small-batch customization, minimizing manual intervention and defect rates. Its built-in diagnostic system monitors operations in real time, enabling predictive maintenance and energy optimization. Low-noise operation and reduced material waste enhance sustainability, while an intuitive touchscreen interface and IoT connectivity allow seamless parameter adjustments and remote multi-device management.
- Combining efficiency with innovation, the Changhua Computerized Flat Knitting Machine drives industry upgrades, empowering businesses to reduce costs, boost productivity, and swiftly adapt to market demands—a cornerstone of smart manufacturing in the textile sector.

PRODUCT SPECIFICAYION

Gauge	55/77G8G9G10G12G14G
Knitting width	80, 100, 120 Inch
Knitting system	Double carriage single system, Double carriage double system, Double carriage three 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.
Sinker system	controlled by stepping motor, adjustable to different knitwear, up to be various results of shaping and patterns.
Transfer system	Combined design, single or double cam system all can transfer together or separately. Also one can do transfer, another cam system for knitting, which will achieve high production.
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	2x8 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.3G-10G Adopts roller feeding device, 12G-18G Adopts the yarn storage device
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.
Volume and weight	3000*900*1700mm, 900kgs(80inch1+1system)