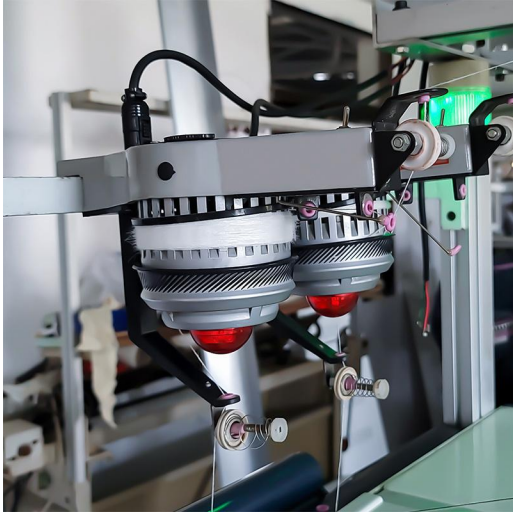
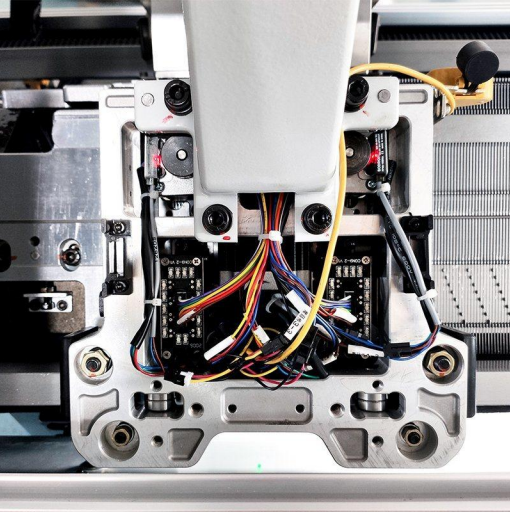
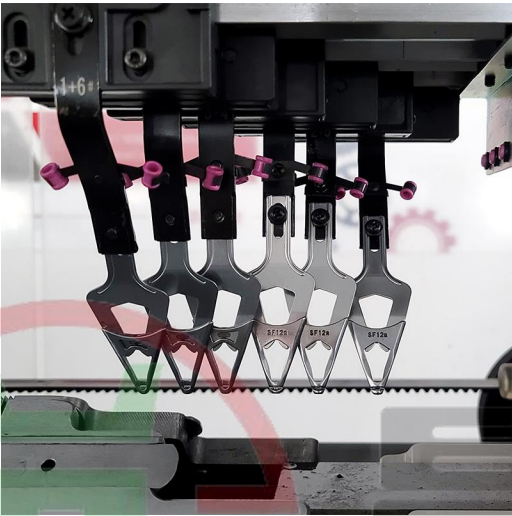


# Single System Sweater Flat Knitting Machine

Changshu Changhua Smart  
Manufacturing Technology CO,LTD



# Machine Details



昌华科技  
CHANGHUA TECHNOLOGY

# Product Display

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CHANGHUATECHNOLOGY



- The Changhua Single System Sweater Flat Knitting Machine is a cornerstone of modern knitwear production, renowned for its precision, versatility, and robust performance. Engineered for the dedicated creation of high-quality sweaters and various knit garments, this machine utilizes an advanced single-system carriage mechanism. This design ensures exceptionally stable and uniform loop formation, which is critical for producing fabrics with consistent texture and superior dimensional accuracy.
- A key strength of this machine lies in its impressive patterning capabilities. It excels at executing complex designs including intricate jacquards, elaborate cable stitches, lace patterns, and intarsia work with remarkable fidelity. This makes it an indispensable tool for manufacturers aiming to produce fashion-forward and technical knitwear. Operational efficiency is enhanced through a user-friendly computer control system, which allows for intuitive programming, swift pattern loading, and easy adjustments of knitting parameters such as stitch density and speed.
- Constructed with high-grade components and a durable frame, the Changhua machine is built for longevity and can withstand the demands of continuous, medium-to-high-volume production cycles with minimal maintenance. Its reliable performance directly translates to increased productivity and reduced downtime. Ultimately, it empowers manufacturers to achieve a perfect balance between creative design flexibility and industrial-grade output, delivering finished garments of exceptional quality that meet the highest market standards.

# PRODUCT SPECIFICATION

|                                   |   |
|-----------------------------------|---|
| <b>Gauge</b>                      | 7G, 10G, 12G, 14G   |
| <b>Knitting width</b>             | 52, 80Inch  |
| <b>Knitting system</b>            | Single system   |
| <b>Knitting speed</b>             | Controlled by servo-motor with 32 sections optional, max speed reach 1.6m/s.  |
| <b>Knitting function</b>          | Jacquard, tuck, transfer stitch, pick hole, open stitch, hidden stitch and other regular pattern knitting   |
| <b>Racking</b>                    | Controlled by servo-motor racking within 2 inches and with fine adjusting function.   |
| <b>Stitch density</b>             | 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.   |
| <b>Dynamic stitch</b>             | Using high speed stepping motor, multi-stitch function can be achieved in one line.   |
| <b>Needle selection</b>           | 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.   |
| <b>Transfer system</b>            | Not affected by the direction of the carriage, minute knitting.   |
| <b>Quickly turning</b>            | Intelligent switching braiding system improves machine weaving efficiency.  |
| <b>Take-down system</b>           | Infrared alarm, Computer programs instruction, stepper motor control, 32-stage tension selection with an adjustable range between 0-100.  |
| <b>Color-changing system</b>      | 2x3 yarn feeders on each side of 3 guide rails, shift able on any needle position.  |
| <b>Yarn feeder device</b>         | Accurately control the tension of the yarn and ensure the consistency of the whole woven piece quality.   |
| <b>Protection system</b>          | 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.   |
| <b>Control system</b>             | 1. ICD 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. |
| <b>Network function</b>           | Has network interface, enable remote-monitoring via network, and connecting with ERP system.  |
| <b>Power supply</b>               | Single-phase 220V/three-phase 380V, adopt advanced CMOs technology, having memorizing function at power shock stop.   |
| <b>Non waste yarn Comb device</b> | Non waste yarn Comb device (Optional)   |
| <b>Volume and weight</b>          | 2500*900*1700mm, 650kgs (52inch) 3800*900*1700mm, 900kgs (80inch double carriages)  |