FYNITE™ MACHINERY

GCKJ 贵春科技 MACHINERY
Guichun Technology

Infinite Solutions, Finite Accuracy

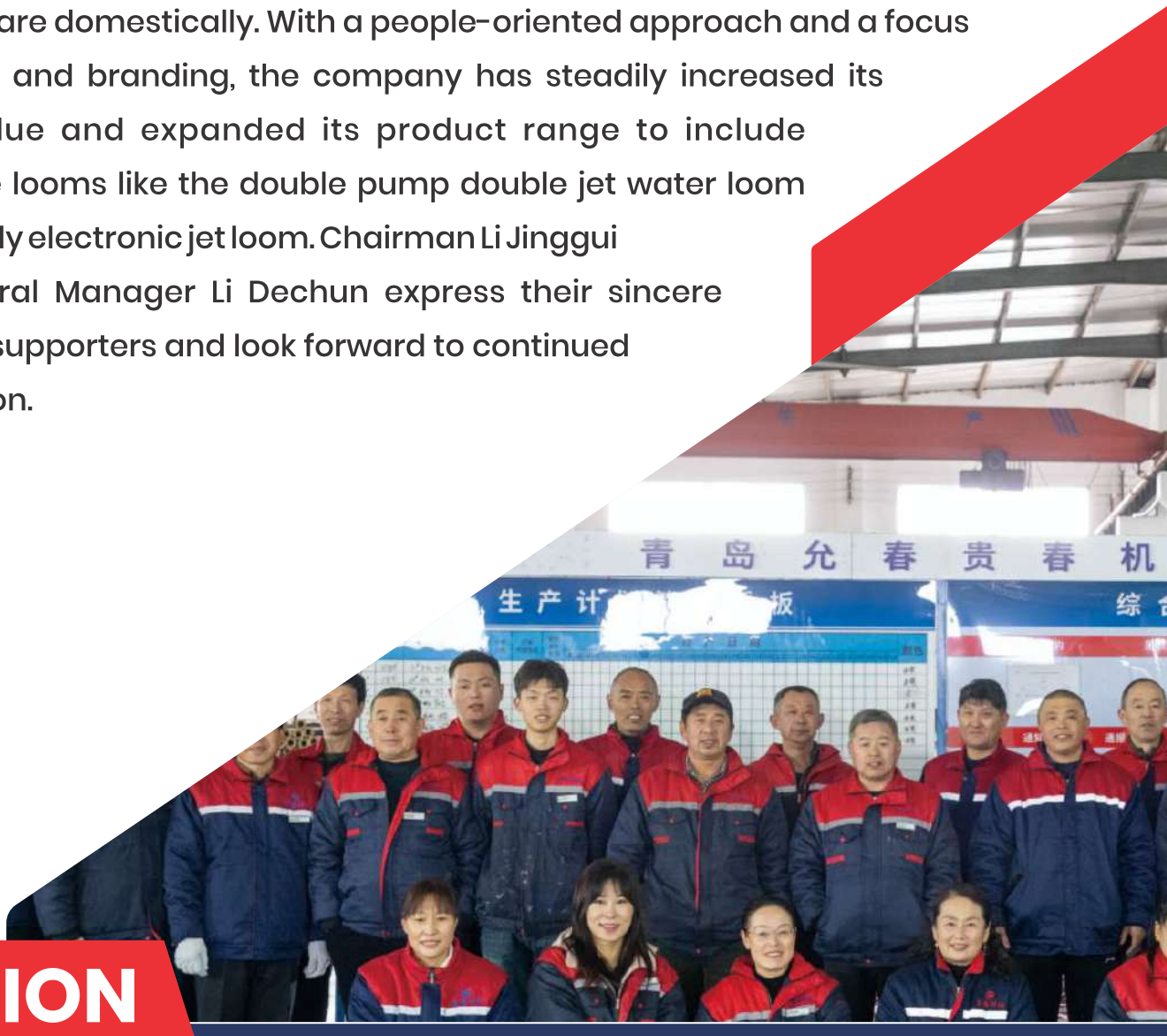


YCGC Series Of High Speed

WATERJET LOOMS

INTRODUCTION

Qingdao Yunchun Guichun Machinery Technology Co., Ltd. specializes in the research, development, and manufacturing of textile machinery, backed by 30 years of industry experience and the dedication of three generations. The company integrates advanced foreign machinery techniques and maintains a rigorous R&D and manufacturing platform. Their JWYC series water jet looms hold a significant market share domestically. With a people-oriented approach and a focus on quality and branding, the company has steadily increased its brand value and expanded its product range to include innovative looms like the double pump double jet water loom and the fully electronic jet loom. Chairman Li Jinggui and General Manager Li Dechun express their sincere thanks to supporters and look forward to continued cooperation.



VISION

To Revolutionize The Textile Industry By Becoming The Global Leader In Advanced Waterjet Weaving Loom Technology, Driving Innovation, Sustainability, And Precision In Fabric Production. We Envision A Future Where Our Cutting-edge Machinery Empowers Textile Manufacturers To Achieve Unparalleled Efficiency, Quality, And Environmental Responsibility.

MISSION

Our mission is to design, develop, and deliver state-of-the-art waterjet weaving looms that set the benchmark for excellence in textile manufacturing. We are committed to



Innovation:

Continuously pushing the boundaries of technology to create weaving solutions that enhance productivity, reduce waste, and improve fabric quality.

Sustainability:

Leading the industry in eco-friendly practices by minimizing water and energy consumption, reducing carbon footprint, and promoting sustainable production processes.

Customer Success

Building strong partnerships with our clients by providing superior machinery, exceptional service, and customized solutions that meet their unique needs.

Global Reach

Expanding international our footprint across markets, making our technology accessible to textile manufacturers worldwide and contributing to the global textile industry's growth.

OUR PAINT LINE FEATURES

3-STEP PRE-CLEANING

With specialized chemicals and water for perfect surface preparation.

ELECTROPHORESIS

Applied to the cast iron or steel framework of the loom.

4 LAYERS OF HIGH-QUALITY PAINT

Coating, i.e. seven stage paint process, providing strength, shine, and a superior finish.







Assembly Line



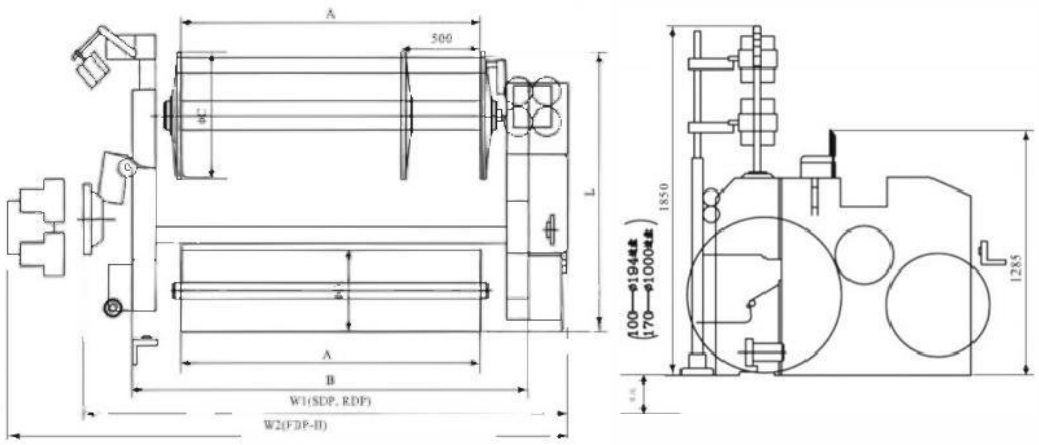
The company uses the Whole machine assembly line. through the strict quality managemant. fine dilferentiation assembly process flow. The factory people use the special tool to tighten the connecting parts with constant torgue.optimizing product's quality control through whole assembly line's technic. we have the strict requirements about production facility's stabiliy, cost efficiency and quality to ensure whole machine's assembly qualified by 100%.







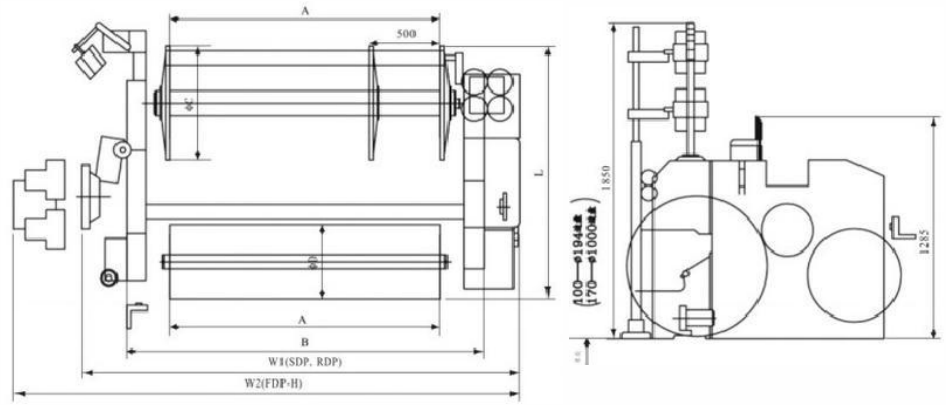
YCGC608 & YCGC898 Water Jet Loom Diagram



WIDTH	A	B	W1 1C(SDP.RDP) CAM	W1 1C(SDP.RDP) DOBBY	W2 2C(FDP-H) CAM	W2 2C(FDP-H) DOBBY
170cm	170	2030	2310	2335	2810	2835
190cm	190	2230	2510	2535	3010	3035
210cm	210	2430	2710	2735	3210	3235
230cm	230	2630	2910	2935	3410	3435
280cm	280	3130	3410	3435	3910	3935
320cm	320	3530	3810	3835	4310	4335
340cm	340	3730	4010	4035	4510	4535
360cm	360	3930	4210	4235	4710	4735

Selvage Disc C		800	914	1000
Cloth Roll Dia D		520	520	520
L	608	1740	1903	1979
	608	1740	1903	1979
	898	1765	1903	1979
	898	1735	1903	1979

YCGC8100 Water Jet Loom Diagram



WIDTH	A	B	W1 1C(SDP.RDP) CAM	W1 1C(SDP.RDP) DOBBY	W2 2C(FDP-H) CAM	W2 2C(FDP-H) DOBBY
170cm	170	2060	3010	3035	3510	3535
190cm	190	2260	3210	3235	3710	3735
210cm	210	2460	3410	3435	3910	3935
230cm	230	2660	3610	3635	4110	4135
280cm	280	3160	4110	4135	4610	4635
320cm	320	3560	4510	4535	5010	5035
340cm	340	3760	4710	4735	5210	5235
360cm	360	3960	4910	4935	5410	5435

Selvage Disc C		800	914
Cloth Roll Dia D		520	520
L	8100	1860	1974

CNC Machining Center





CNC Machining Center is used to process key parts in a complete set, so that the product can be finished in one finishing process, high precision import processing center, complete processing of left and right wall wrenches, ensuring coaxial rotation of gear on both sides of the equipment, reducing vibration and noise generated during product operation, and improving loom stability and start-up rate.

BRAND Parteners







YCGC - 898 Model





The YCGC-898 Water Jet Loom offers high-speed, efficient weaving of synthetic fabrics like polyester and nylon, blending advanced Japanese technology with Indian conditions for superior quality, durability, and cost-effectiveness in textile production.

Key Features

- ***Weft Insertion:*** High-pressure water jet ensures smooth, fast yarn insertion with minimal wear.
- ***Shedding Motion:*** Compatible plain, dobby, or cam motion systems – supports up to 16 heald frames maximum for dobby.
- ***Working Width Options:*** 150 cm to 400cm available.
- ***High-Speed Output:*** Capable of 600–1000 RPM, perfect for high-volume production.
- ***Automatic Control:*** Precision take-up and let-off systems maintain stable fabric tension.
- ***Flexible Nozzle Setup:*** Choose between single or double nozzle configurations.

Why Choose YCGC-898?

Unmatched Productivity

Maximize output with reliable performance.

Energy Efficient

Water-based system lowers operating costs—no air compressor required.

Superior Fabric Quality

Maintains high quality at high speeds.

Easy Maintenance

Designed for simplicity, durability, and ease of servicing.



Perfect For

- Polyester dress materials and saris
- Nylon curtain fabrics and home textiles
- Lightweight synthetic industrial fabrics





YCGC - 508 Model

The YCGC-508 Water Jet Loom is a hybrid innovation from Fynite Machinery, engineered by combining the robust wall board of the YCGC-898 with the heavy duty frame structure of the YCGC-608. This fusion delivers superior speed, enhanced stability, and reduced vibration—making it an ideal solution for weavers demanding both performance and durability.







Ideal Applications

- High-speed weaving of synthetic filament yarns like polyester and nylon
- Factories seeking a stable, high-output loom
- Units upgrading from older models for better ROI and performance

Key Features

High-Speed Operation

Designed for consistent performance at higher RPMs with reduced vibration and wear.

Shedding Motion

Compatible with plain, dobby and cam – up to 16 heald frames supported.

Hybrid Frame Design

Heavy-duty wall board (from 898 model) for rigidity and strength, paired with a compact frame structure (from 608 model) for faster motion and better handling.

Enhanced Stability

Reinforced structure ensures minimal deflection at high speeds, improving fabric quality and machine lifespan.

Nozzle System

Flexible support for single or double nozzle configurations based on production needs.

Width Options

Available in 150cm to 400cm



Why Choose YCGC-508?

Lower Maintenance, Higher Uptime:
Designed with operational efficiency in mind.

Less Vibration :
Reduced mechanical noise and wear help maintain fabric accuracy and machine life.

Optimized for Speed:
Perfect for units targeting higher output with uncompromised stability.

Advanced Hybrid Structure:
Combines the best of two proven models—YCGC-898 and YCGC-608

YCGC - 608 Model

Powerful Performance
for Heavy and Dense Fabrics

The YCGC-608 is a robust water jet loom specially designed for weaving heavy, dense synthetic fabrics using coarser yarns. Engineered for strength and durability, this model excels in producing tough, high-quality textiles such as upholstery, heavier dress materials, and industrial fabrics.









Key Features

Effcient Weft Insertion

High-pressure water jet system optimized for coarse yarns and dense fabric structures.

Wide Working Widths

Available in 150cm to 400cm widths to fit diverse production needs.

Automatic Take-Up & Let-Off

Ensures consistent tension for superior fabric quality during production.

Versatile Shedding

Compatible with dobby or cam shedding mechanisms, supporting up to 16 heald frames for complex patterns.

High-Speed Operation

Reliable performance at speeds from 600 to 1000 RPM, even under heavier fabric loads.

Flexible Nozzle Setup

Supports single or double nozzle configurations for different fabric textures.

Heavy-Duty Frame

Strong and stable structure built to withstand the demands of heavy and coarse yarn weaving.

Ideal Applications

- Heavy synthetic fabrics and upholstery textiles
- Dense polyester and nylon dress materials
- Industrial and technical synthetic fabrics with coarser yarns

YCGC - 8100 Model

The YCGC-8100 is a premium water jet loom developed for next-generation textile weaving. Designed for the efficient and high-speed production of synthetic filament fabrics, this machine combines advanced Japanese-inspired technology with robust construction—offering unmatched precision, productivity, and reliability.









Key Features

High-Speed Weft Insertion

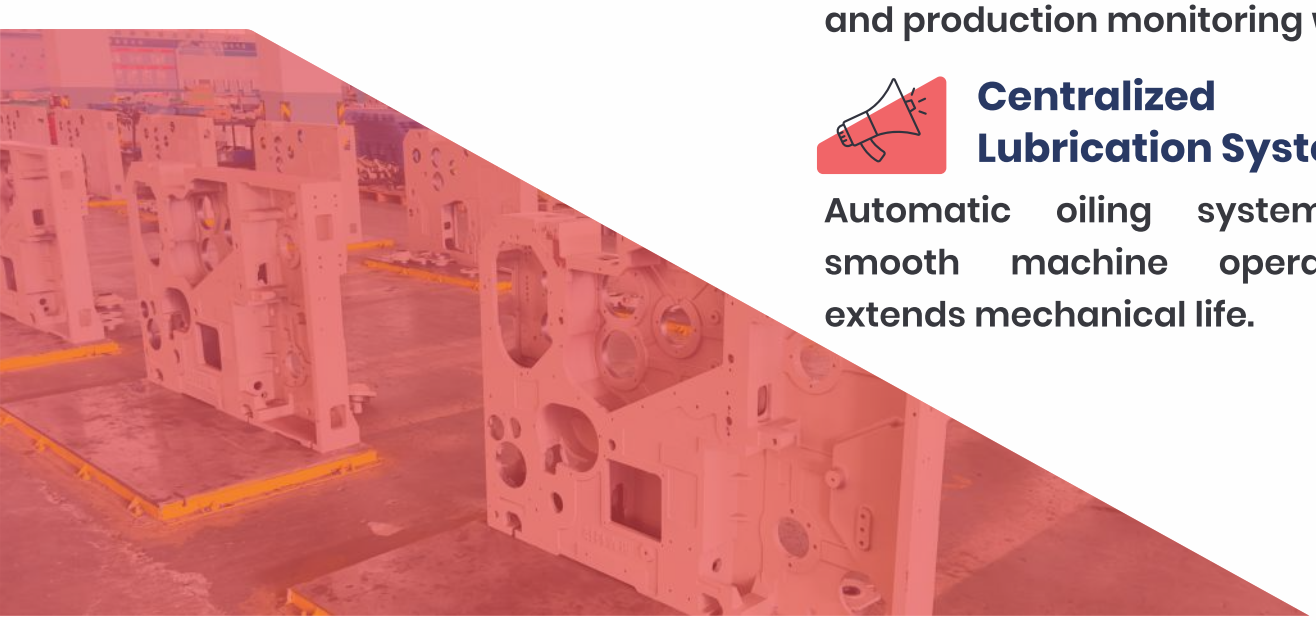
Equipped with a precision-engineered high-pressure water jet system for smooth, high-speed yarn insertion, minimizing yarn stress and breakage.

Flexible Shedding Options

Supports dobby or cam shedding mechanisms with up to 16 heald frames—perfect for intricate pattern weaving and flexible production.

Multiple Widths Available

Offered in 190 cm to 400cm weaving widths, making it suitable for a wide range of fabric applications.



Heavy-Duty Frame Construction

Built on a rigid, vibration-absorbing steel structure, ensuring stability and low maintenance even at speeds of up to 900 RPM.

Automatic Warp Control

Electronic take-up and let-off systems maintain consistent fabric tension, ensuring smooth, uniform weaving results.

Customizable Nozzle Configuration

Single or double nozzle setup options tailored to yarn type and fabric density, enhancing production efficiency.

Advanced Digital Control

Touchscreen PLC control panel enables intuitive operation, fault diagnostics, and production monitoring with ease.

Centralized Lubrication System

Automatic oiling system ensures smooth machine operation and extends mechanical life.

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