

CATALOGUE

GCS JACQUARD MACHINERY

FOR FLAT FABRICS AND TERRY CLOTH



ITG Group in numbers

+50 years

Of experience in the
Textile Industry

7

National Divisions

**+50 sales
agents**

In Europe, Asia
and the Middle East

**+100
employees**

Worldwide

+10,000

Textile Products

**+2,000
customers**

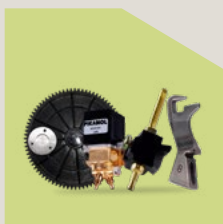
Worldwide

5

Business Lines

Business Lines

ITG Group operates in different business lines, which include: spare parts for weaving and circular knitting, textile accessories, and new and semi-new machines for circular knitting and weaving.



Spare Part &
Accessories For
Weaving



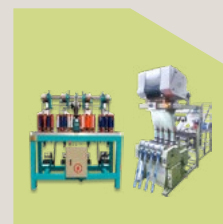
Spare Parts &
Accessories For
Circular Knitting



Buy-Sell Second-Hand
Machinery



Textil
Machinery



Braiding &
High-speed Label
Looms

Weaving Success Together

ITG Group, every thread of our international team always at your service.

INTRODUCTION



APPLICATIONS

The GCS electronic jacquard machine is particularly suitable for weaving flat fabric and terry cloth on all types of air jet, water jet, rapier and projectile weaving machines.

They produce excellent results in nearly all applications, whether with terry cloth, furniture or decorative material, tapestry, silk fabric, dress materials or seat cover, as well as technical items and airbags.

VANTAGENS

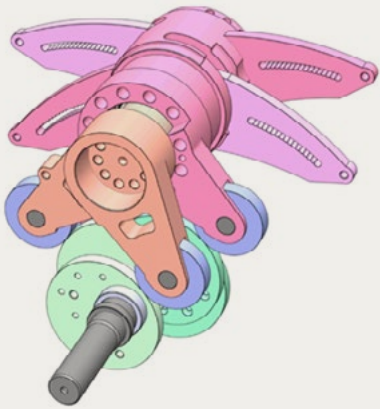
- Quick and easy to install.
- Easy to adapt and versatile.
- Balanced lifting mechanism.
- Comprehensive and coordinated product range.
- Easy integration due to the compactness of the machine.
- Available for network function to transfer the pattern design.
- Safe, straightforward accessibility to make machine adjustments.
- Cam in the inner of closed tank system, minimize wear and tear, extend working life.
- The GCS Jacquard machines are very robust, wear-resistant, and designed for many years of daily use with a minimum of maintenance.

GCS JACQUARD

Optimal machine construction, especially for high speed, high load production weaving, and maximum flexibility.

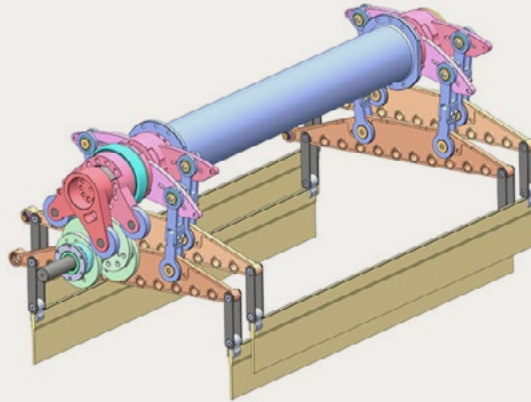
PRODUCT FEATURES

Conjugate cam



01

Perfectly balanced design conjugate cams withstand smaller loads and low vibration.



02

Concentric shaft system controlled by conjugate cam. The concentric axis structure driven by conjugate cams ensures perfect symmetry of the openings for perfectly balanced movements.

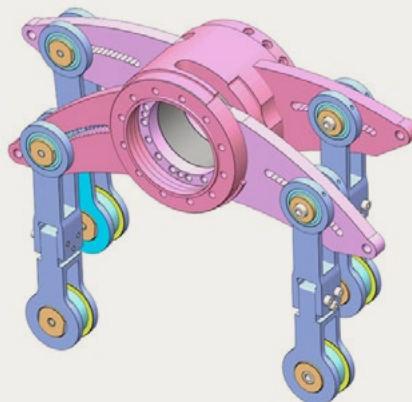


03

The cams run in a fully sealed oil bath to reduce maintenance and increase reliability.

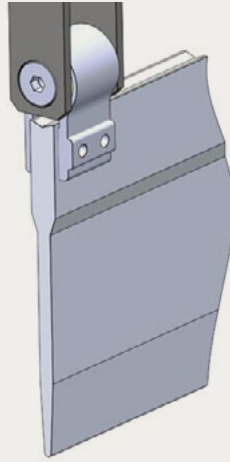
Shedding

Compounding full-opening shedding. Precise adjustment of shape



Lifting knife

- Adopting high strength aluminum alloy lifting knife, it has high steel, low weight and low inertia, suitable for high speed operation.
- The surface has been specially reinforced to improve its wear resistance.



Angle rest

- Optimized angle of repose allows application on range of any width weaving machines.
- Opening angles can be reduced by up to 20%.
- Longer weft guiding times.
- Reduced warp stretch for perfect weaving.
- Higher weaving efficiency.



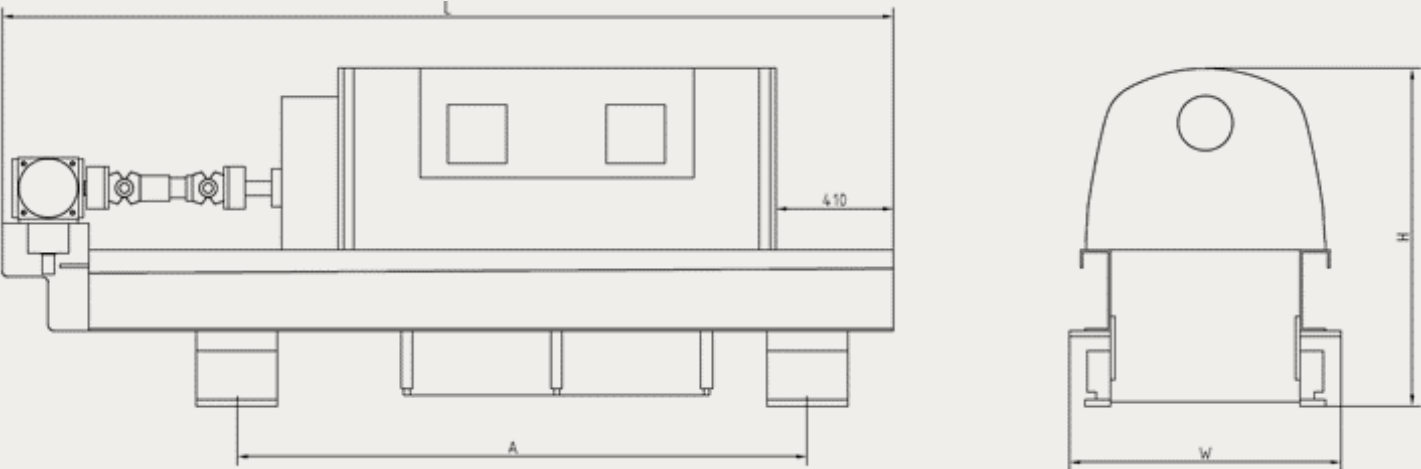
Controller

- The controller adopts the latest ARM hardware system combined with embedded real-time operating system, which organically combines human-machine interface and real-time control.
- The system structure is simple, which greatly improves the reliability and stability of the system.
- The system has very good functional expansion characteristics, such as the expansion of equipment maintenance and management functions, the expansion of information management functions (Internet of Things), etc.
- Sample card editing function, which can be flexibly edited and modified according to the needs of the process in the equipment site.
- Pattern editing function, can do all kinds of editing and modification of various patterns, the editing interface is simple and clear, full of functions and easy to operate.

- Data monitoring function, can export jacquard machine running status data, jacquard machine and weaving machine exchange data, convenient to locate fault points quickly.
- Set the import and export function, the same model controller failure, you can directly import all the parameters of the normal controller, eliminating the need to check the parameters of the faulty controller.

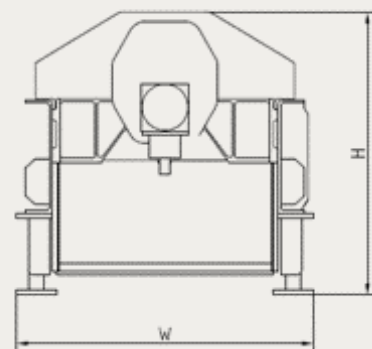
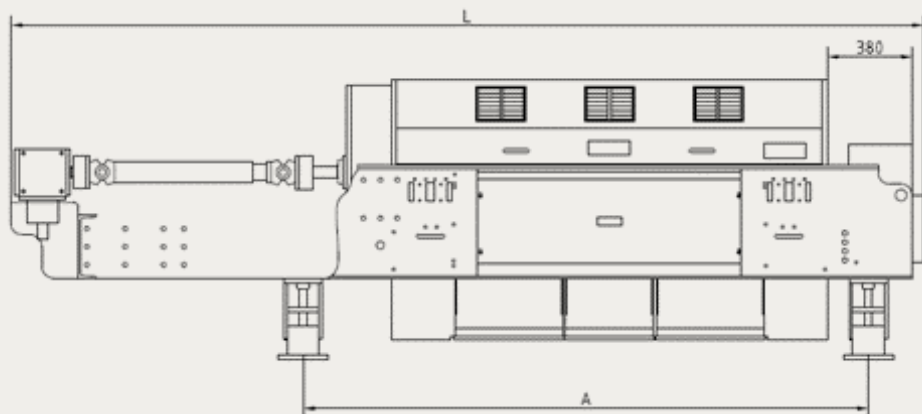


Jacquard machine specifications



型号Type	长度(L)	底脚(A)	宽度(W)	高度(H)
GCS16-1408	3150	2319	948	1170
GCS16-2816	3930	1930	948	1170
GCS16-5376	4230	2794	948	1170
GCS16-6144	4500	3300	948	1170

16 LINE: 1408 2816 5376 6144



型号Type	长度 (L)	底脚 (A)	宽度 (W)	高度 (H)
GCS24-5376	3960	2500	1320	1250
GCS24-6912	4250	2900	1320	1250
GCS24-7680	4250	3080	1320	1250
GCS24-8448	4460	3260	1320	1250

24 LINE: 5376 6912 7680 8448

Application range

Supporting all kinds of weaving machines (rapier, piece shuttle, air jet, water jet, etc.)

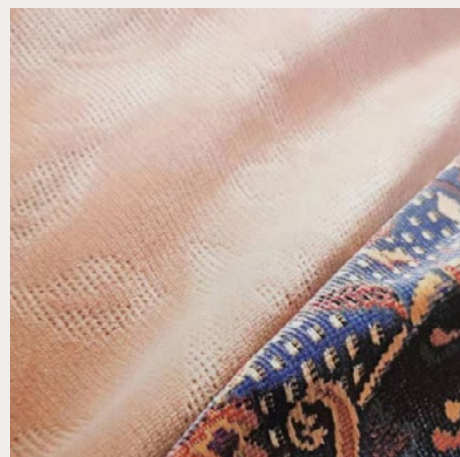
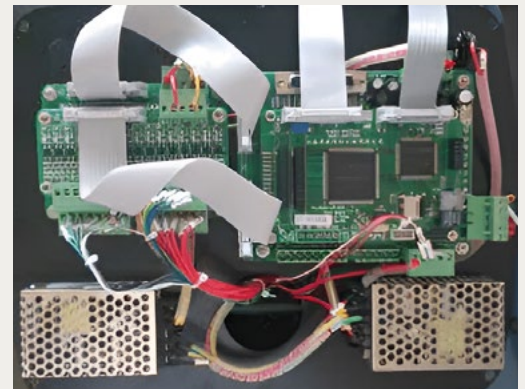


PHOTO GALLERY

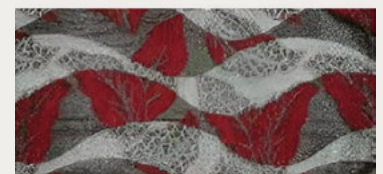
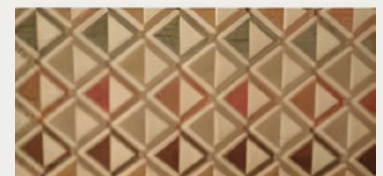
Mechanical &
Electronic
Components



Controller



Examples of Drawings
and Fabrics



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