TIATECH®

An **ISO 9001:2015 certified**

High-performance Electronic Jacquard Machine manufacturer based in Surat.



High Quality High Performance

Precision Engineering for Modern Weaving

Over 10+ Years of Electronic Jacquard Manufacturing Excellence

Electronic Jacquard for High-Speed Rapier Loom

Tiatech Electronic Jacquard Machines are engineered to deliver exceptional performance on high-speed rapier looms, enabling complex fabric designs with unmatched accuracy, efficiency, and reliability. Designed to meet modern weaving demands, they ensure smooth operation even at high production speeds.".

KEY FEATURES

High-Speed Performance
Optimized for high-speed rapier looms, ensuring stable shed formation at maximum loom speeds.

Advanced Electronic Control
Individual hook selection with precise electronic actuation for accurate pattern execution.

Design Flexibility
supports intricate and large-repeat jacquard designs for premium fabrics.

Energy-Efficient Operation
Optimized power consumption through intelligent drive control, equipped with premium-grade M6 and M8 Double bearing modules to ensure stable operation and long service life.

Smooth & Silent Running
Balanced mechanical design minimizes vibration and noise, extending machine life.

User-Friendly Interface
Easy pattern loading, quick style change, and simplified maintenance.

ADVANTAGES

- High lifting accuracy for clean fabric structure
- Smooth operation in iTema, Picanol, Wanli, Rifa and others(**UP TO 650 RPM**)
- Supported files : EP, JC5, BMP
- Consistent shed opening at high RPM
- Reduced yarn breakage and fabric defects
- Long service life with minimal downtime
- Open style – double lift and clear shed.

APPLICATIONS

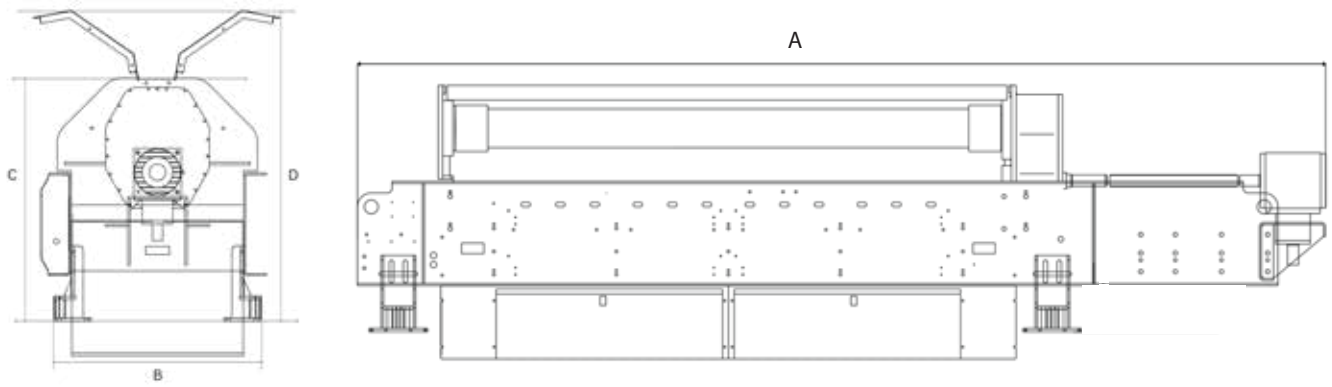
- Home textiles (curtains, upholstery, mattress fabric)
- Apparel fabrics and suitable for satin waves.
- Decorative, furnishing complex patterned fabrics.
- Compatible for running on AirJet / WaterJet machines for high-speed production.

3-YEAR WARRANTY ON COMPLETE JACQUARD SYSTEM. (HIGH SPEED)

After-Sales Service

- Professional installation and commissioning support
- Fast technical assistance by trained engineers.
- Genuine spare parts availability.
- Operator training and maintenance support.
- Over 10 years of expertise in Jacquard technology, delivering advanced solutions in Machines and electronics for low- and high-speed jacquards.





Model	Length A(mm)	Width B(mm)	Height C(mm)	Open-Cover Height D(mm)
CLX16 - 2688H	3800	1000	1080	1380
CLX16 - 5376H / 6144H	4200	1000	1080	1380
CLX24 - 5376H / 6144H	3800	1240	1080	1380
CLX24 - 8448H	4200	1240	1080	1380
CLX32 - 10240H	4200	1600	1080	1380



THE CONJUGATE CAM

The strength of conjugate cam shedding is its running mode. At the max shed opening, wrap will go the way of speeding down, pause, speeding up, avoid wrap break caused by huge tension in high speed operation.

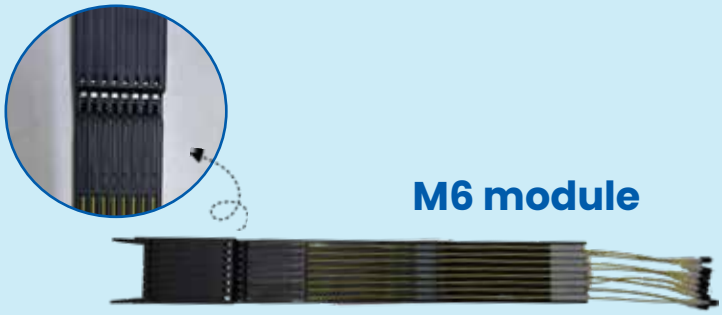
Meanwhile, in operation of wide rapier loom, Cam shedding can keep a enough time period of clear opening, support gripe and tape with enough time moving out of wraps, avoid wraps break while griper returns.

Speed	Shedding Range	Modules can be selected according to fabric process
650 RPM	50-165 mm	M5, M6 & M8 Module

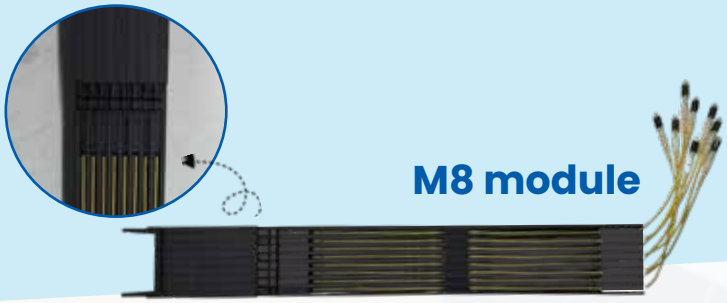
TIATECH®



M5 module



M6 module



M8 module



DBR



Display



Main card

99747 22299 | 74359 22299

sales@tiatech.co.in

www.tiatech.co.in

G 1 to 3, City Industrial Estate, Behind Swami Narayan Temple,
Udhna, Surat, Gujarat - 394210