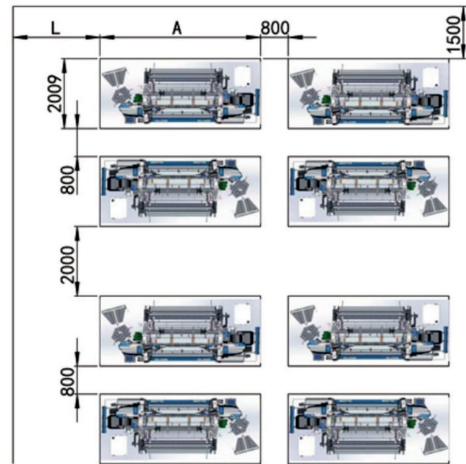
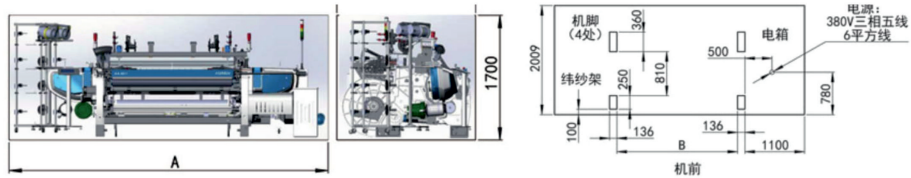
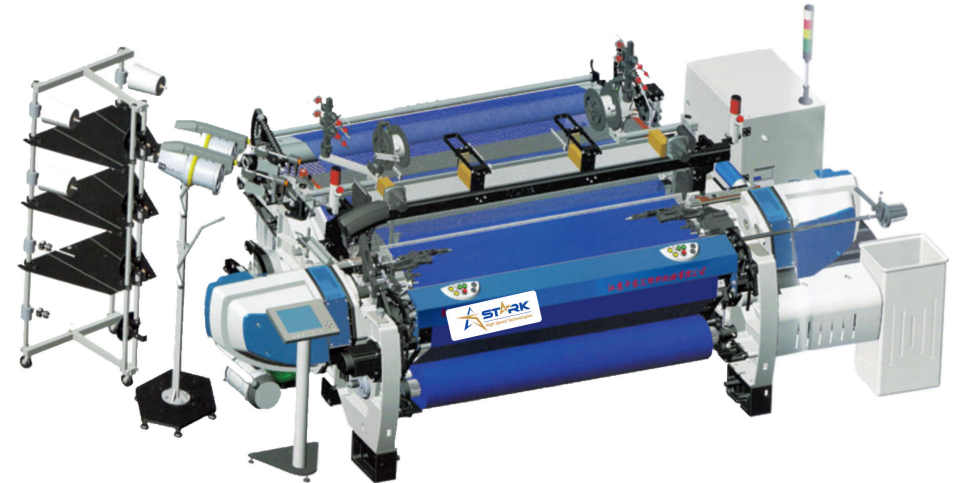




STK-OPMAX HIGH SPEED RAPIER LOOM



| 机器幅宽 | 长度A | 机脚间距B | 离墙距离L |
|------|------|-------|-------|
| 190 | 4613 | 2226 | 2500 |
| 210 | 4813 | 2426 | 2700 |
| 220 | 4913 | 2526 | 2800 |
| 230 | 5013 | 2626 | 2900 |
| 250 | 5213 | 2826 | 3100 |
| 280 | 5513 | 3126 | 3400 |
| 300 | 5713 | 3326 | 3600 |
| 320 | 5913 | 3526 | 3800 |
| 340 | 6113 | 3726 | 4000 |
| 360 | 6313 | 3926 | 4200 |
| 380 | 6513 | 4126 | 4400 |

STARK INTERNATIONAL

+91 99135 47298 | +91 96385 51991

📍 129, RJD Business Hub, Naginawadi, Katargam, Surat-395 004

✉ info@starkmachines.com 🌐 www.starkmachines.com



STK-OPMAX Machine configuration

Reed width: 190cm, 210cm, 230cm (narrow loom);250cm, 280cm, 300cm, 320cm, 340cm, 360, 380cm (wide loom).
Loom driving: driven by on-off magnetoresistive main super-motor.
RPM: 750 rpm/min (190cm) as designed as utmost, economically 550-600 RPM/min (190cm).
Weft insertion rate: 1425 meter/min utmost.
Yarn scope: short yarn: Nm200—Nm3 (Ne120—Ne1.8) Long yarn: 22 den-3000 den(25 dtex..3300dtex)
Weft color selection: 1-8 colors or freely programmed in terms of different yarn specifications.
Weft detection: 6 or 8 holes weft detector of double-weft prevention
Shedding mechanism: STAUBLI 2658 electronic rotated Dobby, utmostly installed 20 heald frames, or tappet shedding or jacquard shedding.
Beating-up mechanism: two inside set of conjugate cam beating-up mechanism (narrow loom) three inside set of conjugate cam beating-up mechanism (wide loom)
Weft insertion system: unique space linkage weft insertion system
16mm narrow gripper band, single guiding pilot system
27mm wide gripper band, no guiding pilot system (option)
Let-off mechanism: Servo motor control, 850 kg gravimetric tension sensor
Warm beam discharge mechanism as double back rest
Warp beam diameter: 800mm, 1000mm
Warp Stoppage: 6 row electronic stoppage stand, circular pitch: 30 mm.
Take-up mechanism: servo motor control, double pressing rollers
Utmost take-up diameter: 550mm
Batch winder: 1500 mm (option)
Weft density: 4-200 pick/cm
Weft finding function: Electronic weft finding, close shed positioning control system.
Scissors: Mechanic weft cutter
Mechanic selvage cutter
Net port: Ethernet, USB, serial interface
Other functions: Network group control, Remote control diagnosis(option), Water-cooling system(option).



Electronic Jacquard



This new generation of high-quality electronic jacquard machine is designed specially for high-speed looms. based on years of mature technology, the exterior and control system is upgraded and driving system is optimized and improved, Embedded intelligent control module and touch-screen human-computer interaction interface has better experience. Transmission friction is small and stable. It can meet the requirement of running in high-speed and long-term.

Max Speed :- 550 RPM

Selection Method :- drive circuit board, solenoid board, sheet steel, lifting knife

Shedding Form :-double-lift,Fully-open shedding



STK-OPMAX

Control Terminal and Electronic Devices

Adopting Menu Operation, the control terminal is showed by colour diagram, easily operated, with advanced technology, you can check and reset the important settings and fabrics patterns by electronic processing system. All the functions of loom are interacted by CAN BUS system, Meanwhile STK-OpMax all the safety standards.

Back Rest

It is to control the warp tension by adjusting the position of back rest to different direction as up, down, forward and back, so as to control the shed, to fit for different fabrics made. The double back rest ensure stable let-off, keeping stable fabrics manufacture without vibration in weaving process, the best option for high-density & jeans cloth.

Sumo Main Drive

Brand-new one-off magnetoresistive oil-cooled sumo motor has the exclusive potentials and efficiency. It simplified the transmission, needless to use belt or clutch and brake, Thanks to the powerful bearing-up sourced by the working sumo Motor, It results in excellent fabrics quality, The Combination of the highly energy-efficient Sumo Motor with the direct drive of main shaft and shedding motion results in power savings of more than 10% in comparison with conventional clutch and brake configuration. It ensures the high-effective weaving machine management by free programming over the speed of weaving machine.

Gripper and Gripper band

Adopting the GamMax's Gripper band & its guide hooks, the advantage as below : good fabrics applicability , suitable for weaving various weft: increasing the loom's stability by the quality of such gripper and its band, raising the loom' s work life and reducing sharply the production cost.

Color Selection

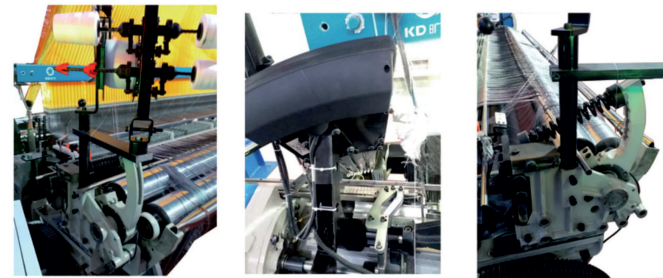
The Selector of 4 colours,8 Colour or 12 Colors is drive by independent electronical linear Motor making the weft transmitted to the rapier head of weft insertion in the optimal situation, The orders, patterns can be programmed conveniently and saved, also can be performed on the loom.

Tuck-in Mechanism

The Brand-new tuck-in transmission mechanism is more suitable for high-speed performance, optimized electric motor' s motion curve is fit for accurate positioning in different speeds.



STK-OPMAX



Wefting Insertion Driving Mechanism

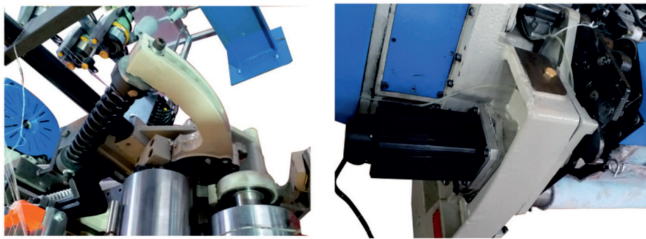
Beat-up Mechanism

It ensures the fabrics style by powerful inner conjugate cam beating-up mechanism.





STK-OPMAX



Light-Weight high strength aluminum Rapier Wheel

Shedding Device

Fully automatic weft finding mechanism

The time of shedding heald levelling is set electronically without mechanical operation. Speedy operation with up-hanging heald frame linkage mechanism. Configuration with STAUBLI electronic Dobby.

Let-Off Device

Let-off and take-up Motions are controlled electronically and synchronously, the warp tension can be controlled, in the light of the fabrics' processing technology, from full-loaded beam to empty beam, OpMax high-speed rapier loom can be installed the warp beaming with 800mm or 1000 mm plates. Convenient uninstalled mechanism of warp beam shortens another installation of warp beam.

Lubrication systems

Independent Motor Driving

Electronic control of oil pressure, oil position, oil temperature.

Grease lubrication is focused on oil filling by manual operation.



Fabrics For the Looms

