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MACHINES PVT. LTD.



Engineering the future of

Textile Weaving

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Rapier Weaving Machine with Jacquard

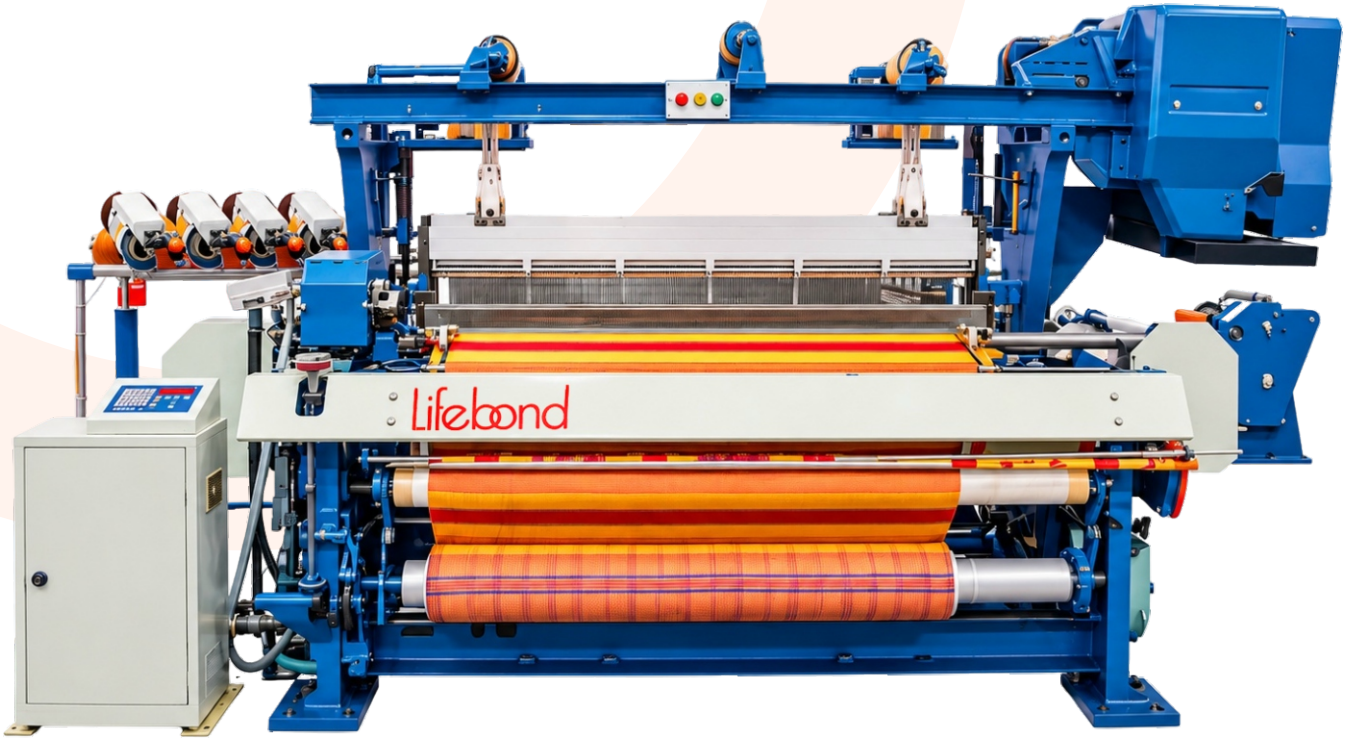


Technical Specification

Reed Width (cms)	160, 168, 178, 183, 305, 320
Speed RPM	180 - 250 (speed as per width)
Take Up Device	Mechanical 7 wheel take up system or Electronic servo drive system
Weft Selector	8 Colour Electronic Selector (Optional Up to 12 Colours)
Stop Control	Weft Stop - Electric Piezo Warp Stop - Dropper pin type - 6 Rows
Let off Device	Mechanical semi positive or electronic servo drive system
Jacquard	Electronic 640, 960, 1344, 1408, 2688, 5376, 6144
Jacquard Transmission	Shaft Drive / Belt Drive

Power	1.5kw to 5.5kw as per width of machine and jacquard configuration
Warp Beam	Flanged beam pipe with Flange dia 425mm (optional up to 600mm)
Fabric Storage	On Aluminium roll of 90mm dia can wind fabric upto 400mm
Selvedge	Leno Type With Bobbin Stand
Selvedge Cutter	Thermal cutter (optional mechanical cutter)
Weft Feeder & Yarn Creel	2 Sanhe rapier feeders and creel suitable for 8 colours (optional 12 colours)
Machine Braking System	Electronic Brake mounted on Electric motor

Rapier Weaving Machine with Dobby

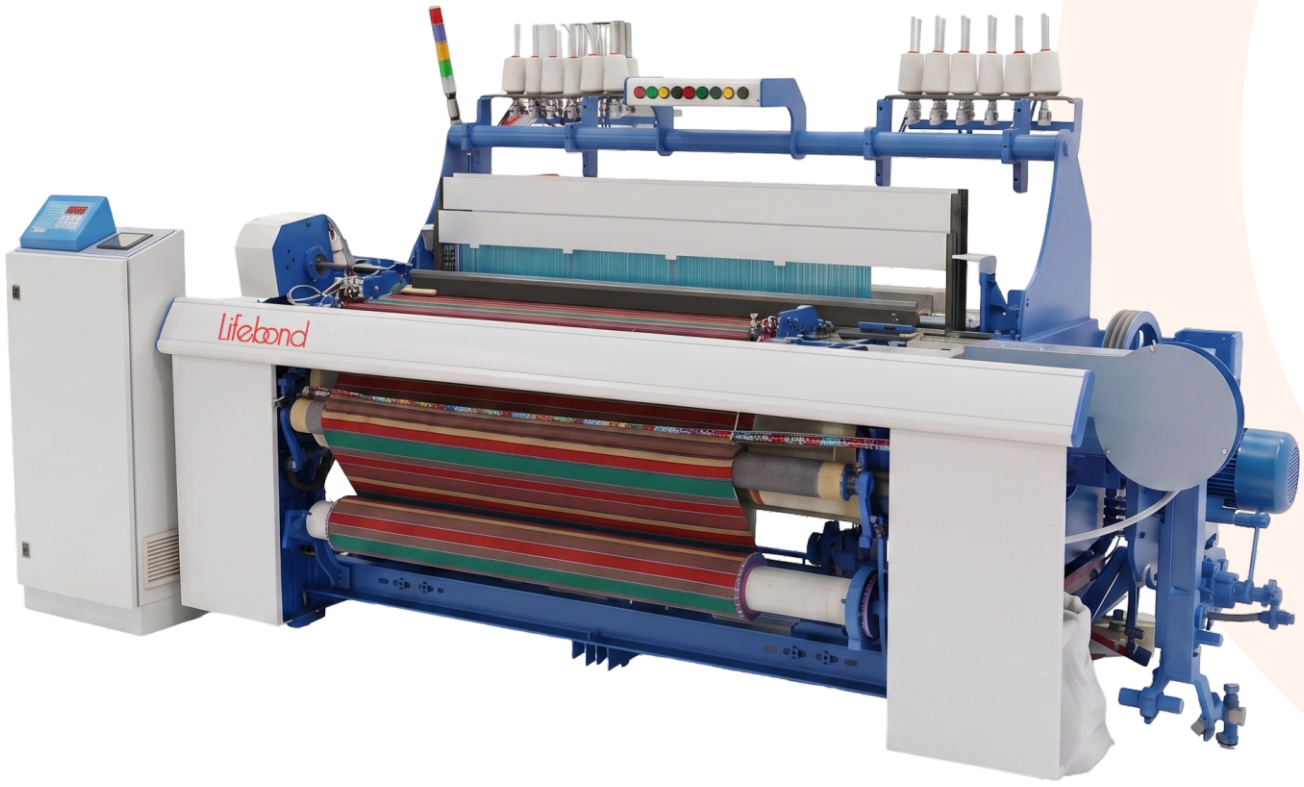


Technical Specification

Reed Width (cms)	160, 168, 178, 183
Speed RPM	180 - 220 (speed as per width)
Cloth	Suitable for Fine, Medium & Heavy Fabrics From Cotton, Polyester, Silk, Wool, Acrylic, Rayons, Nylon and Fancy Yarns.
Take up Device	Mechanical 7 wheel take up system or Electronic Servo Drive system
Weft Selector	8 Colour Electronic Selector (optional Up to 12 Colours)
Stop Control	Weft Stop - Electric Piezo Warp Stop - Dropper pin type - 6 rows
Let off Device	Mechanical semi positive or electronic servo drive system

Shed Formation	Cam Dobby upto 24 Shafts
Power	1.5kw to 3.7kw as per width of machine
Warp Beam	Flanged beam pipe with Flange dia 425mm (optional up to 600mm)
Fabric Storage	On Aluminium roll of 90mm dia can wind fabric upto 400mm
Selvedge	Magnetic Leno With Bobbin Stand / Tuck in Device
Selvedge Cutter	Thermal cutter (optional mechanical cutter)
Weft Feeder & Yarn Creel	2 Sanhe rapier feeders and creel suitable for 8 colours (optional 12 colours)
Machine Braking System	Electronic Brake mounted on Electric motor

Plain Shedding Rapier Loom



Technical Specification

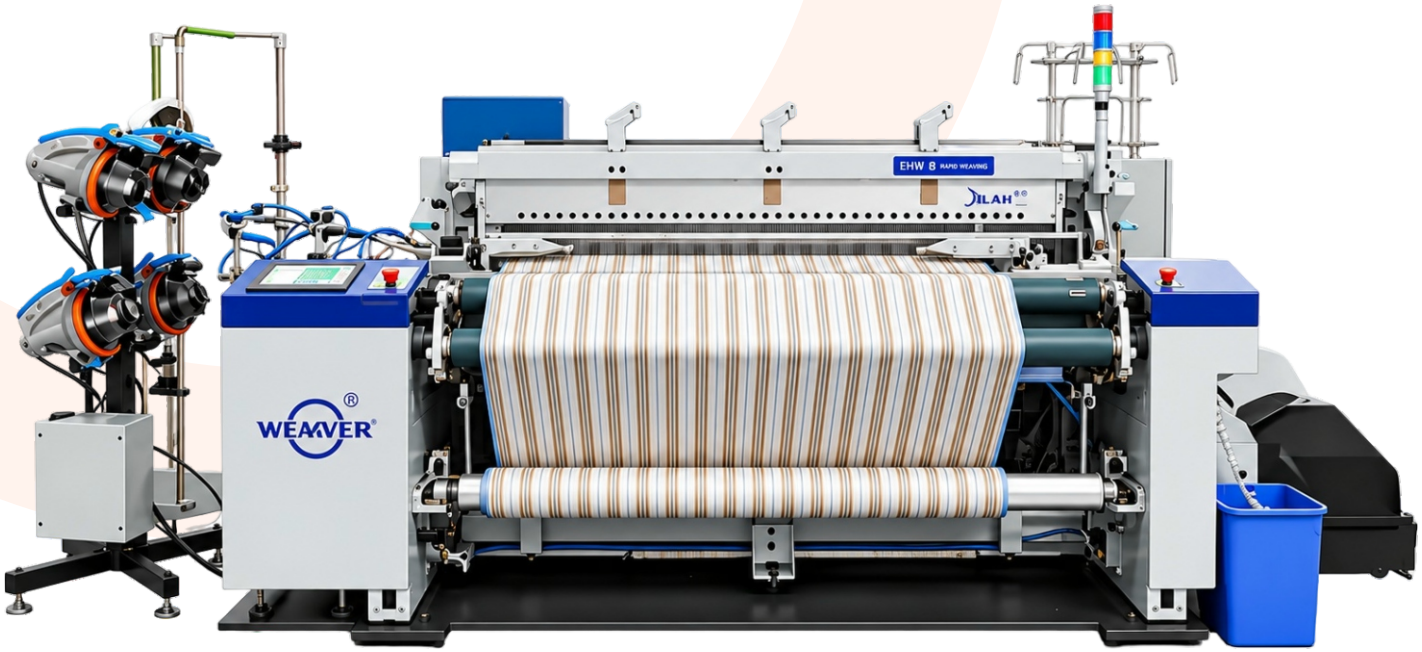
Reed Width (cms)	160, 168, 178, 183, 305
Speed RPM	180 - 220 (Speed as per width)
Cloth	Suitable for Fine, Medium & Heavy Fabrics From cotton, Polyester, Silk, Wool, Acrylic, Rayons, Nylon and Fancy Yarns.
Take up Device	Mechanical 7 wheel take up system or Electronic Servo Drive system
Weft Selector	8 Colour Electronic Selector (optional Up to 12 Colours)
Stop Control	Weft stop - Electric Piezo Warp stop - Dropper pin type - 6 rows
Let off Device	Mechanical semi positive or electronic servo drive system

Shed Formation	Tappet Shedding
Power	1.5kw to 3.7 kw as per width of machine
Warp Beam	Flanged beam pipe with Flange dia 425mm (optional up to 600mm)
Fabric Storage	On Aluminium roll of 90mm dia can wind fabric upto 400mm
Selvedge	Thermal cutter (optional mechanical cutter)
Selvedge Cutter	Magnetic Leno With Bobbin Stand / Tuck in Device
Weft Feeder & Yarn Creel	2 Sanhe rapier feeders and creel suitable for 8 colours (optional 12 colours)
Machine Braking System	Electronic Brake mounted on Electric motor

Complete Accessory Range

1. **Weft Feeders** - Weft Feeder, Brush for feeder and other spares.
2. **Stop Motion Systems** - Electric Weft Piezo and Warp Stop Motion.
3. **Top Beam Attachment** - Double Beam and Triple Beam.
4. **Leno Motion** - Magnetic Leno, 4 end Leno Device and 8 end Leno device.
5. **Cutting Components** - Selvedge cutter Thermal and Selvedge cutter mechanical
6. **Rapier Loom Parts** - Gripper Tape, Gripper for Rapier Loom and Colour Selector for Rapier Loom.

High Speed
Air Jet Loom



Technical Specification

Reed Space Nominal	190, 210, 230, 250, 280, 340, 360 cm
Useful Range	Reduction from nominal 0–60 cm (190–250 cm); 0–80 cm (280–360 cm)
Yarn Range	Spun Ne100 ~ Ne2.2; Filament 56 dtex ~ 1350 dtex
Weft Selection	2-color, 4-color, 6-color, 8-color
Drive	Direct drive main motor; magnetic brake; programmable start; built-in inverter, Speed can change during weaving
Power	2.2 kW crank; 3.0 kW cam; 3.7 kW dobby; 5.5–7.5 kW Jacquard, Push button operated by both hands
Weft Accumulator	Electronic FDP weft accumulator, ABS control, air ballon breaker
Weft Insertion	Main nozzle + sub nozzle combined system; automatic insertion control; 1st pick control, Stretch nozzle; independent timing auxiliary nozzle; energy-saving double nozzle valve
Shedding	Crank 4 shafts; negative cam 8 shafts max; positive cam 10 shafts max; dobby 16 shafts max; Jacquard shedding, Manual leveling (positive cam)

Let-Off	Electronic let-off by servo motor; double roller electronic let-off with auto reverse, Up & down beam / twin beam; flange Ø914 mm, Ø1000 mm; flange Ø800 mm
Take-Up	Electronic take-up by servo motor; pick density standard 15-300 picks; weaving length display, Batching Motion 720 mm; max take-up Ø600 / Ø520 mm by shedding type
Beating	Crank type beating, multiple sley sword beating, 4 Link Narrow / 6 Links Wide
Selvage	Planetary gear leno selvage; center leno device, Electronic planetary gear leno
Lubrication	Oil bath system for main driving parts; centralized lubrication, Automatic centralized lubrication
Auto-Stop Motion	Photoelectric double weft sensor; electronic 6-row warp contact bar; automatic stop for leno/waste yarn break, Bobbin yarn break sensor; anti-hand beating sensor
Control & Automatic	Computer control for data setting, monitoring, self-diagnosis and interface; automatic pick finding, AFC, AJC, centralized networked monitor; memory card; jet automatic control

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