

**BRAND INDIA ENGINEERING
E-CATALOGUE**

Date: 18-01-2025

Premier Loom Manufacturers Pvt. Ltd.

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We are a well-established (set up around 4 decades ago) Textiles Machinery Manufacturing Company, with 3 hi-tech manufacturing units. We manufacture Rapier (Shuttle less) Looms, along with Shuttle Looms (Power Looms), and allied textiles machinery.

Products Description


Looms

Technical Details	Rapier (Shuttle less) Looms and Shuttle Looms (Power Looms).
ITC HS Codes	8446, 84463090, 84463019, 84463011
Certification/ Standard	ISO
Issuing Agency	---
Date of Issue	06-03-2015
Date of Expiry	05-03-2018
End Use Sectors	Weaving Units

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PRODUCT CATALOGUE

Crank Beat Up Rapier Loom




■ SILENT FEATURES

- High quality weaving machine suitable for the production of high quality fashion fabrics of natural and synthetic yarns at low cost.
- Sturdy Machine Frame with Unique drive resulting in minimum operating Cost. The main parts run in anti-friction bearing.
- Rigid well design beat-up gives excellent fabric.
- PLC base control panel.
- Stable weft insertion.
- Versatile Fabric weaving.
- Unique drive gives lowest maintenance.

■ TECHNICAL SPECIFICATIONS

Machine Type	Flexible Rapier
Speed	230 rpm (Max. Mechanical Speed)
Nominal Reed Space	152 cm, 170 cm, 180 cm, 190 cm, 210 cm, 260 cm, 330 cm
Weft Insertion	Up to 430 mt/min.
Shedding	Positive Cam Type Dobby OR Upper Tappet Motion
Take-up and Let-Off	Positive Take-up synchronized with Let-off ensure uniform tension from full to empty beam. Practically no tension.
Warp Yarn Counts	20 Den to 3000 Den
Control Panel	PLC Base Electronic Control Panel
Motor	1.5 KW Electromagnetic Brake Motor
Weft feeding	Weft Accumulators
Weft and warp control	Photoelectric sensors and Electric warp stop motion.
Sequence of Picks	PLC Programmable pick sequence Up to 8 Colours.
Lubrication	Centralized lubrication Pump system


Cam Beat Up Rapier Loom
Model - PZ88




REED WIDTH	190cm, 210cm, 230cm, 250cm, 260cm
SPEED	Design max speed 400RPM
ELECTRIC POWER	2.2 Kw / 380V
SHEEDING MOTION	Plain motion, Jacquard motion and Electronic dobby.
TAKE UP	Electronic
LET-OFF	Electronic
FLANGE DIA	600 mm
SELVAGE	Independent Mechanical
INSERTION	Conjugated Cam
FIND LATITUDE SYSTEM	Enclosed Oil Lubrication the Pick finding Combination
YARN RANGE	Cotton 21-60 Chemical fiber 50 to 700D
BEAT UP	Conjugated Cam

- High Speed: Max. design speed is 400RPM
- Special pick finding: To reduce the weft mark, Loom can find the yarn by forward slow motion in reverse direction or by motor pick finding or hydraulic pressure pick finding, which can adjust the level level.
- The loom is digitally controlled by CPU. Closed controlled electric let-off, take-up to realize constant tension weaving.
- Flexible electric weft selection. Adopting high speed slipper motor control electric weft selector with 8 color. The sensitivity of all type weft can be adjusted by single hole.

Shuttle Loom



Imagine the future with "Premier"



PREMIER

TECHNICAL SPECIFICATIONS

Nominal Reed Space	46", 54", 59", 64", 68", 72"
Reed	Flat Reed
Shuttle Box	1x1, 2x1, 4x1, 4x4, 2x2
Pick	Underpick
Shedding	Treadle & Cone pulley type
Drive	Individual Motor drive
Power Required	0.5 HP, 720 RPM, 440 V, 50 c/s 3 phase
Handle	Right or Left
Letoff Motion	Fully automatic positive letoff motion to keep uniform tension
Take up	The pickler's indirect 7' wheel take-up motion with ratchet wheel system.

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Sectors of Interest
Countries of Exports
Foreign Collaboration
Is OEM Supplier?
Is After Sales Service Provider?
Importance of niche products
Potential market of niche products

Weaving units
Asia and Africa
Asia and Africa
No
Yes



BRAND INDIA ENGINEERING E-CATALOGUE

Product Supply Record

Patented Technologies

Awards/Accolades