India’s leading manufacturer of ADVANCED TEXTILE WEAVING MACHINES
Dynamic Autolooms India Pvt. Ltd. is a pioneer in the weaving industry since 1976. We manufactures variety of shuttle less rapier looms and shuttle looms and serving the domestic as well as the international market.

Dynamic’s products are an integration of the experience earned over decades with the proficiency of the modern era’s technologies. We cater to fabric manufacturers ranging from the apparel industry to technical and industrial textile manufacturers. We believe that the cost is long forgotten and only the quality is remembered forever.

Dynamic looms has been trusted since years, for changing the way the fabrics manufactured in different textile industrial segments. We have created a benchmark in the industry by providing latest rapier and shuttle looms equipped with modernized technologies, streamlined production process and cost effective products.

A company that has been trusted since decades for changing the way the cloth is manufactured in different segments.
Our performance speaks our quality and service.

**We change the way you look.**

The clothes that you weave get a unique identity by our work. We believe that cost is long forgotten and only the quality is remembered forever. This is the mantra that we follow at Dynamic looms.

**State-of-the-art facilities**

That ensure quality from raw material to end product stage. Thus, we make up an efficient and competent product with avant garde machines.
A message from Chairman

"We believe that customer is the backbone of every organization & sustainable growth of any organization can only be achieved through customer satisfaction.

Dynamic Group devotedly follows the values of Clarity, Commitment, Innovation and Attitude in order to uphold the reliability of our customers…”

A good beginning imprints the future.

The great future of Dynamic Looms was incepted in the year 1976 by Mr. Vasant Patel, a qualified B.E. Mechanical and a successful industrialist with an innovative dream. Since the beginning the group has seen remarkable growth not only economically but also technically. The group is well known & well respected in the textile industry.

FOUNDATION & GROWTH

Dynamic Looms is proud to be the largest Rapier Loom Manufacturer who has all their products developed indigenously without any technology transfer or collaboration. The group has been able to achieve this because of its technocrat & entrepreneurial Chairman Mr. Vasant Patel, supported by his great team consisting of his son Mr. Mittal Patel, Managers & Engineers.
OUR VISION

‘WE ASSIST YOU TO GROW’.

As stated above we assist our customers to grow. We value our customer’s investment and we keep our promise by delivering them products which helps them to grow financially and technically. We manufacture wide ranges of advanced weaving machineries which fits to the requirement of small, medium and large industrial segments. We understand that the product we deliver can be a life time investment for small scale companies or entrepreneurs. To help them grow we also offer basic rapier machines so as to make it suitable financially and technically and at the same time have Advanced Rapier Machines as well.

MISSION

We believe that one and only key for success lies at quality products and customer satisfaction. We endeavour to become a world class organization by integrating cutting-edge technologies with the excellence of our team of professionals. We strive towards setting up industrial standards by converting our ideas of future weaving machineries in to inventions and innovations and thus tuning our goals to achieve maximum customer satisfaction.

VALUES

Customer first

Our first and foremost priority is customer. Be it providing machinery, spareparts, training or any other service which falls in to our work criteria.

Clarity

We believe clarity is a key factor for keeping up customer satisfaction and we uphold clarity in all the services we provide to our clients as well as from our vendors regardless of circumstances.

Commitment

We are committed to provide best quality products and after sales services. We value investment of our customers. Once a customer to Dynamic Looms should always be a customer to us.

Innovation

Inventions and innovations were always a part of our organization and will continue to be.

Attitude

We do ethical business and expect the same values from our vendors and customers.
INFRASTRUCTURE

Dynamic Looms have it’s manufacturing facilities at Ahmedabad spread over 2,60,000 Sq. Ft. land and in it have a factory shed of 1,50,000 Sq. Ft.

- We also have our own sales office at the Textile city of Surat.
- CNC Laser Cutting Division
- High-tech Induction Furnaces in Foundry Division
- CNC Turning centers and Vertical Milling Machines

We have our own designing team equipped with the modern technology, updated systems and software such as Solid Edge-ST-4 & ERP System to make world class weaving looms.
Manufacturing facilities

2,60,000 Sq. Ft. land

Factory Shed

1,50,000 Sq. Ft.

MODERNIZED TECHNOLOGY,

Modernized technology, streamlined production process and cost effective products.

We are creating the benchmark in the industry by conquering global areas.
CREDENTIALS

Ours is an ISO 9001:2015 certified company and is the first ever to be certified in the rapier manufacturing field in India. In the year 2001 Dynamic has been identified as an authorized manufacturer of weaving looms under the Technology Upgradation Fund scheme (TUFS) introduced by the government of India in the same year to boost the textile industrial growth.

MILESTONES

Since 2006 till date we have developed various types of machines with different motions suitable for producing variety of fabrics in pure silk, polyester, cotton, nylon, filament & glass fabric. We have also developed a loom for manufacturing leno gauze, a surgical fabric.

2021
- Developed Electronic Jacquard of 5376 Hooks suitable for Single Width Rapier Loom

2019
- Developed Infinity-I, The Sample Loom
- Developed Electronic Jacquards of 640 Hooks to 5376 Hooks (Jumbo Jacquard)

2016

2002
- First Indian weaving machinery manufacturer to get ISO 9001-2008 certification
- Designed a loom for cotton fabric with positive let off.

2003
- Launched Auto Stop Loom
- Developed a loom for Pure Silk in 132” Reed Space & Supplied many looms in the silk manufacturing State of Karnataka (Sold around 150 Looms)

2004
- Developed a loom for Nylon Filament Fabric (A Matte Fabric, HDPE Mono Filament Weaving)

2001
- Launched High Speed Cam Dobby
- Developed looms for Technical Textiles particularly for Glass Fibre (Around 50 Looms running successfully till date)

2000
- Launched Rapier Loom (Inspired by Korean Technology)

1992
- Launched High Speed Shuttle Loom

1976
- Established Engineering Work shop

1978
- Profile Cutting Unit
Dynamic Autolooms India Pvt. Ltd. is committed to provide technologically superior products and high quality services to achieve total customer satisfaction. We are committed to quality, integrity and excellence in all areas of business. We pledge to monitor our performance as an on going activity and strive for continual improvement.

With a group of highly skilled and well trained managers & engineers, we built up a total management system and systematic quality control ranging from the top management to field workers.

We ensures consistent quality at every stage of manufacturing process and for this we have implemented a quality control system through technical assistance, inspections of each machinery part, function test of assembled products and its final performance.

Dynamic gives an exceptional and wise investment opportunity to the clients. We believe that quality and customer satisfaction works hand in hand to build the organization's future growth. Hence we are committed towards maximum customer satisfaction and to our customer’s expectations for quality, reliability, safety, technology & after-sale services.

- Developed High Speed Rapier Loom under Technical Assistance from Mr. John Griffith of M/s. Griffith Textile, U.K.
- Introduced Magic E7 with Sheet Metal Structure
- Introduced Trendy Rapier Loom
- Installed Electrical Furnace to make Graded Castings
- Established own Bright Bar Manufacturing
- 2x1, 4x1 & Pick N Pick 4 x 4
- Developed Drop Box Looms
- Established own Foundry
- Construction Machinery
- Power Looms & Spares Manufacturing
- Introduced 330 CM Rapier Loom
- State of the Art Manufacturing Unit
- Launched Velvet Loom (Sold around 300 Looms in a span of 5 years)
- Developed Magic Plus Jacquard with Electronic Let-off & Take up Motion, with Strong and Rigid construction on M.S. Plates.
- Developed Magic Plus Jacquard with Electronic Let-off & Take up Motion, with Strong and Rigid construction on M.S. Plates.
- Developed Tuck-in Device
- Introduced 330 CM Rapier Loom
- Introduced Trendy Rapier Loom
- Installed Electrical Furnace to make Graded Castings
- Established own Bright Bar Manufacturing
- 2x1, 4x1 & Pick N Pick 4 x 4
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- Established own Foundry
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SINCE 1976

Dynamic Looms

DYNAMIC

QUALITY POLICY

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TECHNICAL SPECIFICATIONS

Model | SHIVA DR II PLUS
---|---
Machine Type | Heavy Duty Flexible Rapier Loom
Loom Width | 170, 190, 230, 280, 330 CM
Working Width | 50 MM less than loom width
Weft Insertion Rate | 400 to 525 MPM
Weft Colors | 2, 4, 6, 8 operated by Microcontroller (Optional) / Synchronized with Electronic Dobby or Electronic Jacquard
Warp Control | Electrical 6 Rows / Infrared (Optional)
Weft Control | Piezo Electronic Sensor
Shedding Motion | Cam Motion (Plain, Twill, Sateen, Matt Weave) / Electronic Dobby / Electronic Jacquard
Let-off | Positive Mechanical / Separate Beam type / Double Beam Attachment (Optional) / with an independent motor, Electronically controlled by Microcontroller
Take up | 7 Wheel / with an independent motor, Electronically controlled by Microcontroller
Weft Density | 10 to 128 Picks per Inch / Up to 250 Picks per Inch (Optional) / Variable Density up to 5 (Optional) / Cramming (Optional) / Fringing (Optional)
Cloth Roll | Up to 400 MM Dia
Lubrication | Centralized
Installed Power | 1.5 KW / 3.3 KW
Special Attachment (Optional) | Suction Device

SPACE REQUIRED FOR INSTALLATION:

<table>
<thead>
<tr>
<th>Reed Space</th>
<th>170 CM</th>
<th>190 CM</th>
<th>230 CM</th>
<th>280 CM</th>
<th>330 CM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length (ft)</td>
<td>12'9&quot;</td>
<td>13'5&quot;</td>
<td>14'10&quot;</td>
<td>17'11&quot;</td>
<td>19'7&quot;</td>
</tr>
<tr>
<td>Width (ft)</td>
<td>6' 7&quot;</td>
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</tbody>
</table>
CONTROlled & EFFECTive
ElectRONiC LET-off MECHANiSM

- Mounting mechanism of Whip Roller and Load-cell are specifically designed to get proper response of Warp Sheet Tension.
- Continuous unwinding of Beam.
- Keep identified Warp Sheet / Beam Tension and record it for the future reference.
- Almost Constant Tension on Warp Sheet right from full to empty Beam.
- Weaving of Even Fabric from first meter to last meter.
- Lower & Upper Warp Sheet Tension’s safety feature reduces multiple warp breakages.
- Few number of Parts thus less Maintenance.

VERSATilE ELECTRONiC TAKE UPI MOTiON
GENERAtES NUMBER OF POSSIBiLITIES

- Wants to change PPI? it is a matter of just pressing a finger.
- Continuous movement resulting into Uniformity in woven Fabric.
- 5 Variable Densities unfolds vide scope of Value Addition Weaving Design.
- Fringing option adds one more feather in the Woven Fabric.
- Cramming of Wefts makes remarkable difference in the Fabric Design.
- Extremely Less Parts thus less Maintenance.

UsEr FRIENdLy & STURDY AUTOMATiON

- Indigenously Developed Automation.
- Noticeably reduction in no. of parts in the machine due to Automation.
- Quick change of Parameters certainly saving time.

EASY CORRECTiONS OF LET-off & TAKE up WITH MORE OPTIONS

To Tackle the Starting Mark Damage, below mentioned options are readily available:
- Forward Kick of Let-off
- Forward Kick of Take Up
- Let-off “ON” Delay
- Take Up “ON” Delay
- Reverse Kick of Let-off
- Reverse Kick of Take Up
- Let-off “OFF” Delay
- Take Up “OFF” Delay
TECHNICAL SPECIFICATIONS

Model | GANESHA PICK N PICK
Machine Type | Semi Automatic Drop Box Shuttle Looms
Picking | Under pick motion Loom
Width | 45”, 52”, 56”, 60”, 64”, 68”, 72”, 80”
Working Width: | 2” less than loom width
Reed: | Fast
Shuttle Box | 4x4, PICK N PICK
Shedding Motion | Tappet, Dobby, Jacquard
Weft Control | Weft fork system or electronic infra-red filler system (optional)
Warp Control | Electrical or Mechanical warp Stop (optional)
Let-Off | Semi Positive attached / separate beam type / electronics
Take-Up | Seven wheel take-up mechanism
Cloth roll | VTM system / Spring Loaded (Optional)
Applicable Yarns | Synthetic, Silk, Polyester
Lubrication | Centralized lubrication system (Optional)
Installed Power | 0.33 Kw to 0.75 Kw

MACHINE CONTROL (OPTIONAL)
- Microprocessor based control panel
- Electro-magnetic brake motor
- Push Button System: i.e. Start/Stop/One Pick/Inching/Reverse
- Pick counting
- Predetermined stop
- RPM indicator
- Beam over tension stop

SPACE REQUIRED FOR INSTALLATION:

<table>
<thead>
<tr>
<th>Reed Space</th>
<th>45”</th>
<th>52”</th>
<th>56”</th>
<th>60”</th>
<th>64”</th>
<th>68”</th>
<th>72”</th>
<th>80”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length (ft)</td>
<td>8’ 8”</td>
<td>9’ 4”</td>
<td>9’ 8”</td>
<td>10’</td>
<td>10’ 4”</td>
<td>10’ 8”</td>
<td>11’</td>
<td>11’ 8”</td>
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<tr>
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SINCE 1976

TECHNICAL SPECIFICATIONS

Model: GANESHA

Machine Type: Semi Automatic Drop Box Shuttle Looms

Picking: Under pick motion Loom

Width: 45”, 52”, 56”, 60”, 64”, 68”, 72”, 80”

Working Width: 2” less than loom width

Reed: Fast

Shuttle Box: 4x4, 2x2, 4x1, 2x1, 1x1

Shedding Motion: Tappet, Dobby, Jacquard

Weft Control: Weft fork system or electronic infra-red filler system (optional)

Warp Control: Electrical or Mechanical warp Stop (optional)

Let-Off: Semi Positive attached/separate beam type

Take-Up: Seven wheel take-up mechanism

Cloth roll: VTM system / Spring Loaded (Optional)

Applicable Yarns: Synthetic, Silk, Polyester

Lubrication: Centralized lubrication system (Optional)

Installed Power: 0.33 Kw to 0.75 Kw

MACHINE CONTROL (OPTIONAL)

- Microprocessor based control panel
- Electro-magnetic brake motor
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<td></td>
</tr>
<tr>
<td>80”</td>
<td>12’</td>
<td></td>
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</tbody>
</table>

First time in India, Introducing with unique Dynashed™ Positive Shedding Mechanism
**ELECTRONIC JACQUARD**

Electronic Jacquards DEJ-21

![Image of Electronic Jacquards DEJ-21]

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>No. of Hooks</th>
<th>Speed</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>640, 960, 1408, 1538, 2688</td>
<td>Up to 250</td>
<td>Shuttle Loom, Low Speed Rapier Loom</td>
</tr>
</tbody>
</table>

Electronic Jacquards DEJ-22

![Image of Electronic Jacquards DEJ-22]

**TECHNICAL SPECIFICATIONS**

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<tbody>
<tr>
<td>2688, 5376 (Jumbo Jacquard)</td>
<td>Up to 500</td>
<td>Low Speed Rapier Loom, High Speed Rapier Loom</td>
</tr>
</tbody>
</table>