

100% Indigenous

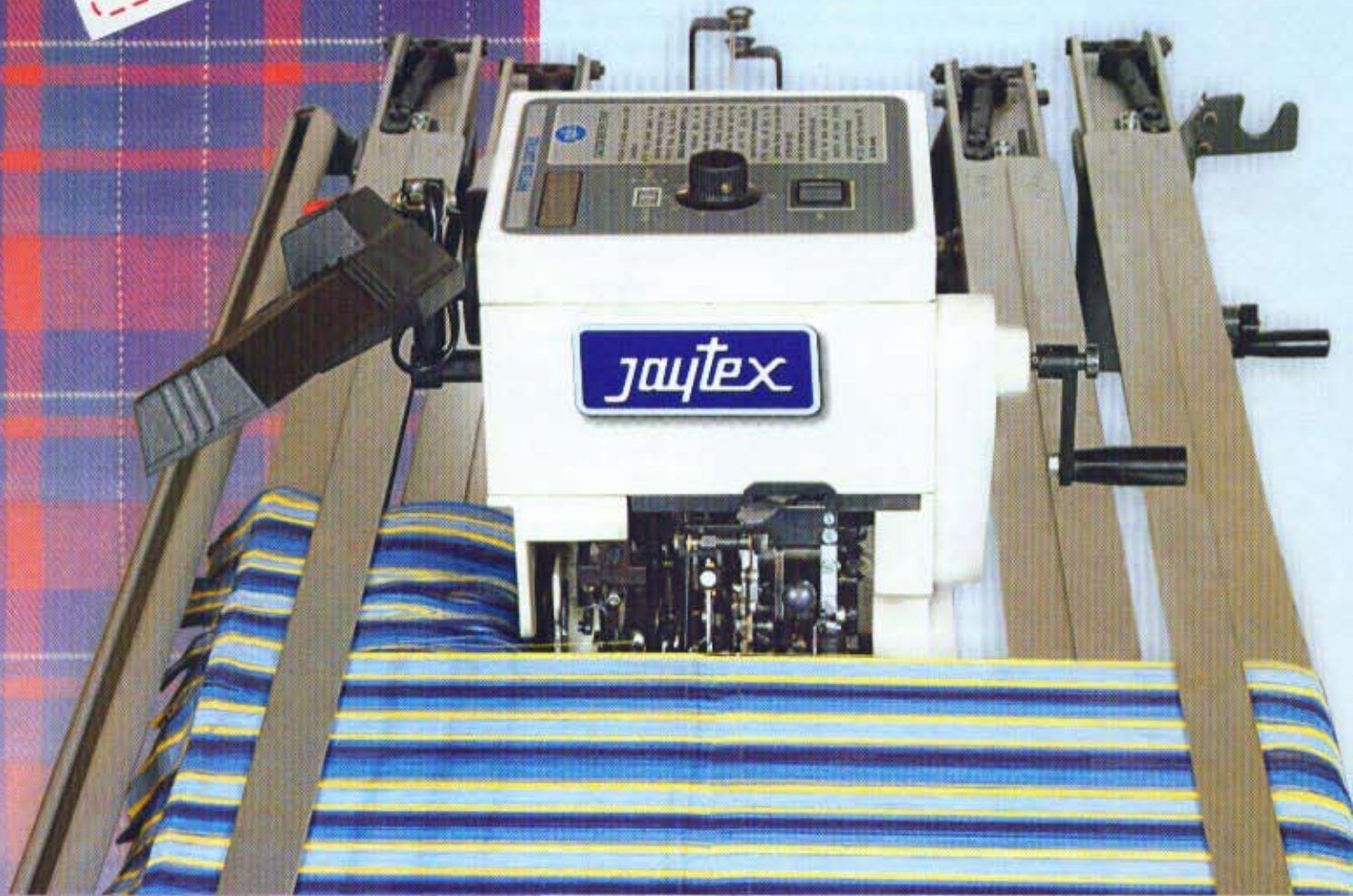
Guarantee for Spares, Service & Economy



**45-Years
Of Proven
Metallurgy**

**FULLY AUTOMATIC UNIVERSAL
WARP TYING MACHINE**

**FOR HIGH SPEED KNOTTING OF ANY
TYPE OF YARN WITH OR WITHOUT LEASE**



CERTIFIED BY



Decide with Confidence
INTERNATIONAL CREDIT RATING

**45 - Years Of Proven
Metallurgy**

Your Profit Making Partner

Manufactured by :

Jayantilal S. Gandhi & Co. (Mach.Div.)

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Jaytex Universal High Performance Warp Tying Machine with Versatile Extension Possibilities.

The profitability of high performance looms depends not least, on how consistently the preparation of the warps can be adapted to make use of rational methods of warping. Tying installations, which require a minimum of time for changing the warp should contribute to the high efficiency and low stoppage rates. The JAYTEX UNIVERSAL fulfills this requirement to a large degree. The ingenious tensioning system, the high performance of JAYTEX UNIVERSAL and the (practically) faultless tying of the warp ends, shortens warp changing time.

Adaptability of The Modular Construction System

The JAYTEX UNIVERSAL warp tying machine can be altered to suit new conditions at any time. For example, in the weaving department which wishes to extend its range from staple goods to include fashion fabrics. In this case, the warps are produced on the sectional warper and must be tied from a 1:1 lease. The basic model of JAYTEX UNIVERSAL can be extended, by the addition of the appropriate module, to a universal machine with increased possibilities of use. Both warps are tied with or without a lease. Upper warp is tied with lower without a lease, or vice versa. Change over from one method to another method of knotting is possible in seconds, without further modifications or additions.

P.S.L



J/S L Universal Model Machine

Introduction

Jaytex being the pioneers in developing weaving preparatory equipments with 100% Indigenous components, since 1969, takes pride in presenting their experienced expertise. "JAYTEX" equipment, has conquered a large number of weaving mills in a very short period due to its simplicity of operation and high efficiency. Jaytex is known for its trouble free performance over the years. Upto the beginning of 2004

Application

The working range of this machine is practically unlimited. It ties almost all materials and all type of yarn, should they be wool, cotton, silk, filament linen or synthetics, should they be worsted or woollen yarn, single or twisted broad or narrow fabric looms, with any method, right at the backrest of the loom, with healds reeds and droppers readily drawn through, or away from loom shed, on a stationary stand.

more than 2500 leading weaving mills are using "JAYTEX" equipment, including EXPORTS, and in some cases there are more than one machine in one individual mill. These achievements are the best proof for our unique development, deep study, quality control and prompt experienced service. Add to this, the widest range for any need or any budget and so you know way Jaytex equipments are always the first choice. Jaytex comes with a host of features which will explain you, how "JAYTEX" knotting equipment will be the best deal for you.

100% Indigenous It is the guarantee for service, spares & economy. Jaytex guarantees you prompt expert service & spares supplies.

High Productivity With Low Labour Cost

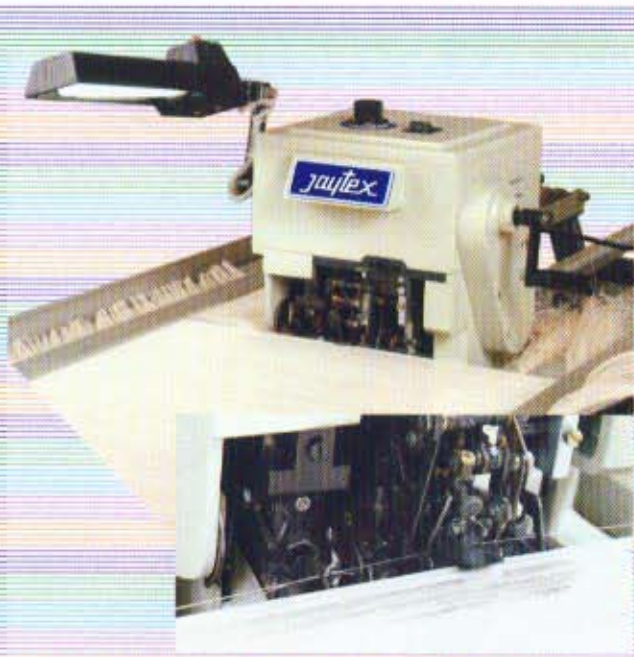
One knotter can complete a cycle of dressing, knotting and taking the knots through in approx 20 to 45 minutes with normal widths.

Simple Construction For Easy Maintenance

While designing, separate group system is applied. The individual parts and components are built in compact separate unit as selector group, knotting group, driving unit. It hardly takes two minutes to separate all the three groups for necessary repairs or replacement of the parts and servicing, without touching the other parts which are not to be disturbed.



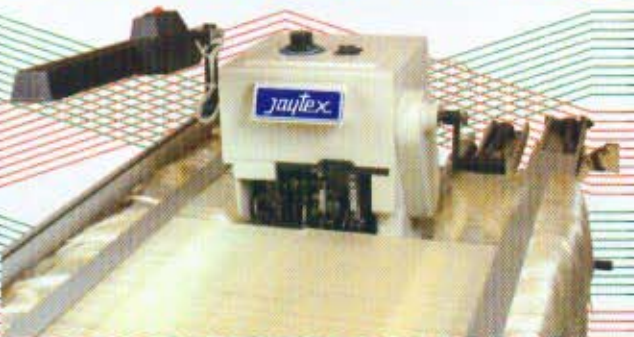
**MAINTENANCE FREE GEAR LESS
TIMING PULLY BELT DRIVE**



J/S For Warps In Sheet To Sheet Form



J/L For Warps In Lease To Lease Form



PU Model Machine

Fully Automatic

The machine works fully automatically. It automatically advances further, according to the thickness and density of warps. The knotting mechanism and the handling of the yarn is so gentle, therefore even the delicate yarn can not be damaged.

Automatic Thread Selection

The selector needles, in case of Sheet to Sheet selection, are designed very finely for each count range, they are adjustable, spring loaded for finest adjustments, this makes it impossible to let it pick up double threads. In case of leased warps, the selector brushes separates threads according to the provided lease, securely by the positive separating method which utilises the twist and traverse movement of the lease pipes.

Single End Knotting Preventer

The feeler assembly makes it possible, by its automatic locking device. If by chance one end is selected, the other feeler will prevent the selected thread going up to the knotter, till the second thread is selected in parallel.

Short Tail Knots

A further characteristic of Jaytex is the short tails of knots, with adjustable facility, by which you can adjust the length of knot tails according to the materials up to 6-mm. This is of a particular advantage with high twist yarns: no entangling or snarling while pulling the row of knots through the droppers, weaving harness and reed. This is also of particular advantage of possibility to continue weaving up to the healds, which can increase the production of woven material and minimise the waste.

Simple Adaptation To Changing Conditions

"JAYTEX" allows the change of the tying groups to be done by exchanging the entire groups. The change over from one method of knotting to another is possible in seconds and requires no fitting or removal of a single part, nor even re-setting is required. This modular system will result into: No wear and tear on selector units. This means reduced spares requirement and increased machine service life.

Selection Of Tying Speed

The speed of all Jaytex machines is electronically regulated. It can be infinitely adjusted from 60 to 600 knots per minute, according to count, the condition of warps and operator's confidence.

Protective Measures

The machine is completely protected from fluff and dust by its entirely enclosed housing, it also stops any unauthorised interference. All parts are manufactured from the best raw material, and finished with the highest precision, and then suitably heat-treated for low wear. All parts are oxidised to keep the machine free from humid effects.

Training

Jaytex will also help you by giving full training to your operators & dressers, for performance, production and maintenance of the machine at your mills.

Service

The reliable service provided by our company has contributed to a large extent to the success of JAYTEX warp tying machines. Expert service and spares are readily available all over the country at any time.

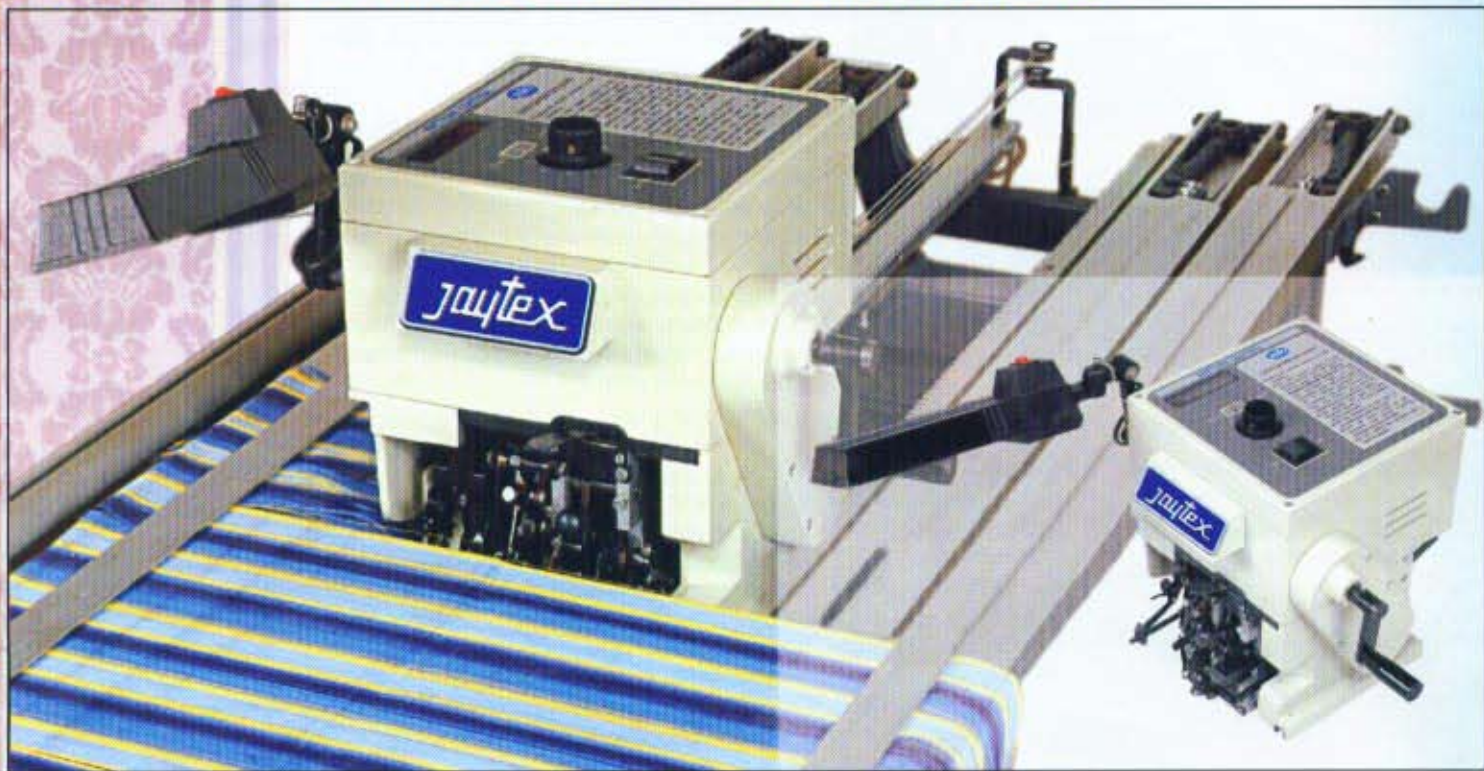
Guarantee

We are so sure of the quality of our products that we guarantee our Jaytex equipment for a period of 12 months on 3 shift working basis.

JAYTEX WARP TYING MACHINE

MADE SUITABLE TO WORK WITH

PATTERN CONTROL MODEL MACHINE



Jaytex Warp Tying Machine with 4 System Selection in One Single Unit, To be used as per your knotting demand.

Lease to Lease  Sheet to Sheet  Lease to Sheet  Sheet to Lease 

Warps may be selected with or without lease. At the press of a button lease for the upper and lower yarn sheets may be switched on or off as required.

Improved Lease Bearing

Modified selection provided in lease to lease tying system, ensures perfect separation from provided lease, by way of **twisting, traversing & pushing methods**, thus the particular thread meant for tying is separated distinctively and picked up very gently by the selector, ensuring one single thread and knocking off the rest in case of double threads in one lease. The system can handle virtually any material, very delicately without any damage, be it multi filament, pure silk, double or single thread multi colour pattern, and variation in yarn count, with or without lease, ranging from finest 20- Din. or 110's to coarsest 4000 Din. or 4 X 6'scotton.

New Thread Clip

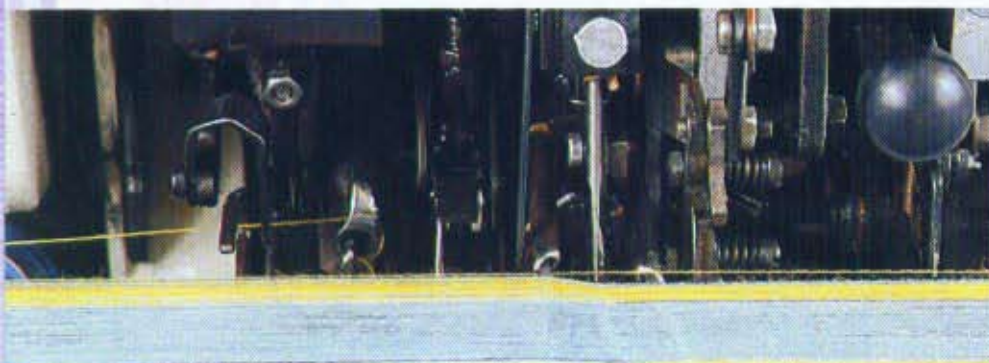
As per the thickness / count of warp it ensures appropriate tension to the threads of both the layers, no matter how coarse or fine they are. Ideally suitable for suiting, shirting and furnishing qualities where the threads are of different yarn counts and materials, within the same warp sheet, say one thread of 2/30's and one thread of 50- Din. filament. The clip unit ensures the same tension with reliable gentleness throughout the tying process.

Electronic Control Panel

With various features to work with automatically.

- ❖ **Automatic electronic stop motion** in case of single or double thread selection with fault indicator.
- ❖ **Variable speed** control system.
- ❖ **Electronic counter meter with digital display**, displaying knotting progress for individual pattern and progressive total for the entire beam.
- ❖ **Inching motion** is also provided for checking the progress of pattern knotting.
- ❖ **Brighter tube light illuminator** for clear vision while knotting on multi-colour patterned warps.

DRESSING FRAME SUITABLE FOR ANY WEAVING MACHINE (LOOM) WITH ANY WIDTH, HEIGHT AND APPLICATION.



WITH NEW INNOVATIVE FEATURES.

SUITING, SHIRTING & FURNISHING WARPS.

"PUAC" MODEL MACHINE



Jaytex Warp Tying Machine with 2 System Lease to Lease  & Sheet to Sheet 

Improved Lease Bearing

Modified selection system provided in lease to lease tying model, ensures perfect separation from provided lease, by way of **twisting, traversing & pushing methods**, thus the particular thread meant for tying is **separated distinctively and picked up very gently by the selector, ensuring selection as per lease**. The system can handle virtually any material, very delicately without any damage, be it multi filament, pure silk, double or single thread with multi colour pattern, and variation in yarn count, with or without lease, ranging from finest 20-Din. or 110's to coarsest 4000 Din. or 4 x 6's cotton.

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The Dressing Frames For Preparation Of Warps



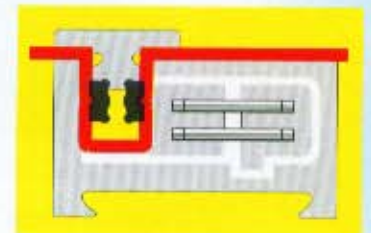
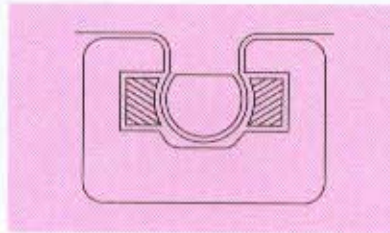
Equipment Trolley

Tying Frames : "Jaytex" frames are manufactured as per your requirement in height & width ranging between 120-cms. (48") up to 400-cms. (160"). Within this range every requested width can be accommodated in stages of 25-cms. (10") while selecting the width, a margin of 3" should be kept extra then the actual weaver's beam width.

While selecting the dressing frame weavers beam width (flange to flange) should be taken into consideration as R. S. Width for single beam looms. For twin beams, your choices are either one frame covering both the warp beam width, or one single frame with double side clamping system or two single frames with coupling device. (Height & width of the loom back rest should be informed, while ordering) Our expert technical help can be availed on request.

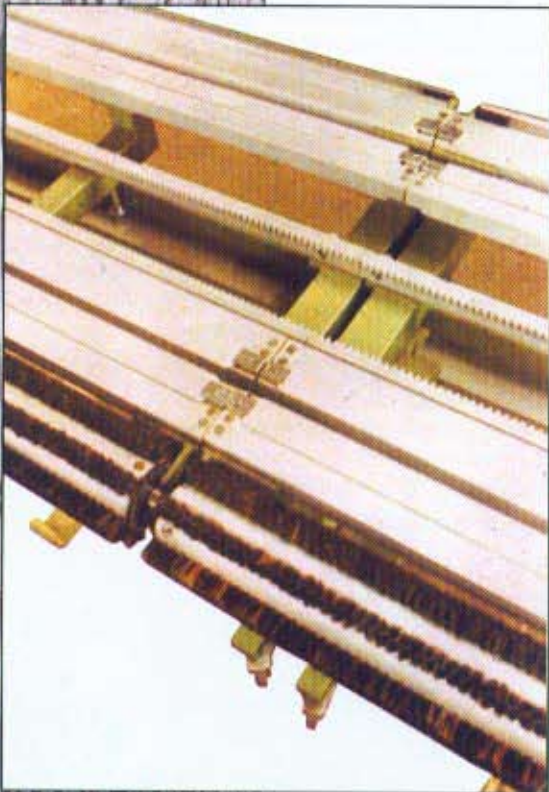
"Jaytex" Dressing frames are made out of specially extruded alloy sections which are very sturdy and light weight, and at the same time durable for years of service. The yarn clamp holding and tensioning devices are simplified for faster dressing. It is designed for easy adjustments vertically and horizontally, to adjust the height according to your loom. They come in very wide range of working widths, according to your looms and choice.

DOUBLE WIDTH, SEPARABLE WARP TYING FRAME permit rationalised working on looms with twin warps. The separated tying frame can also be used for looms of normal widths.



For Faster dressing and easy clamping of coarser warps below 12's only, We recommend you our HD/UB-type frames, provided with very sturdy U'-type, rubberised, alloy clamps, with oval shaped EN-9 Steel bars.

Clamping system of Jaytex Dressing frame is designed to press the entire warp sheet in parallel and firm Condition. Rubbers on both the sides of tension rails guarantees firm grip to the most slippery and fine warp.



Coupling Arrangement



Separable Coupled Type For Twin Beam Looms

The Decisive Merits of The Jaytex Universal

- **A Unique blend of technology and experience of 2500 Installations.**
- 100% Indigenous.
- Easy adaptability, to different tying methods at any time.
- Suitable for all type of yarn with or without lease.
- Detachable coupled type frames for double beam looms.
- Frames suitable for all type looms and departmental layouts.
- **SPARES AND SERVICE READILY AVAILABLE WITH FOLLOWING AGENT.**

Advantages :

- Reduce the stopping time of wvg. machines (looms) up to 85%
- Increases production at low labour cost.
- Less labour, less wages, less labour problems. (One knotter can attend, to an average 5/8 knotting per shift.)

Technical Data :

Tying Speed	:	Minimum 60-knots to maximum 600-knots per minute. Depending on the type and condition of warps.
Mains Connections	:	Lighting plug 220 V. 15 Amp.
Voltage	:	24. V Dc (Very safe for the operator)
Drive	:	Timing Pully Belt Drive (SERVICE FREE)
Type of yarn	:	Cotton and mixed yarns, nylon, filament and silk yarns, high twist yarns, worsted, carded, spun and blends.
Range	:	30 Din. 4000 Din. 110's to 4 x 6's counts cotton.
Advancing Movement	:	Adjustable with a push of one lever only, as per the count and density of warps. Thus the finest warps with very high density can be knotted faultlessly.

Model & Type of Machine

- JS** : Tying from both sheet to sheet for sized warps, selection by selector needles, count range 6's to 80's single.
- JL** : For leased warps. Tying from both lease to lease, for the warps wound on sectional warping or leased by machine after sizing with double lease. Count/Din. range 100's cotton / 30 Din. filament up to 6's cotton 2000 Din. Any type of mixed blends, worsted, spun, P.V. etc.
- JSL** : Universal type provided with lease to lease & sheet to sheet tying module. Yarn range as above.
- PUAC** : Specially developed for suiting, shirting & furnishing. With tech. Provision any counts and any type of yarn in un-even condition provided in a single width, can be knotted with or without lease (2 selection system.) Addition with either type module can make the machine universal.
- Pattern Control** : Specially developed with multiple selection system, to be used as per your knotting needs. It can take care of any type of pattern with multiple selection system, with double end knock-off arrangement. It can also take care of different variety of material with uneven count and Din. wound in one single width. With elect. stop motion in case of any kind of fault in selection. Displays pattern counts and repeats in progressive counting. The system can handle virtually any material very delicately without any damage, be it multi filament, pure silk, double or single thread with multi colour pattern, and variation in yarn count, with or without lease, ranging from finest to coarsest. Ideally suitable for suiting, shirting and furnishing.
- PU** : Specially developed to take care of filament, satin and fibrous yarn (Label Weaving). To avoid filamentation, abrasion on the yarn to be selected and are kept away from the brush, by pushing method. Thus the separated thread only is taken for knotting.
- HD** : For very heavy counts and Din. sheet to sheet or lease to lease ranging from single 6's up to 4 X 6's and 4000 Din. higher range then single 6's or 800 Din. "PUAC" model machine is recommended.

VALUE ADDITION

"WARP CONTROL" : Mechano-Electronic stop-motion, controls double end selection or breakage & malfunction. Digital counter for counting each knotted thread. Optional can be added to any model machine.

SALES & SERVICE PROVIDER :
