





From the desk of the Managing Director:

I have started up Nantex Machineries to produce various types of textile machineries. Since India does not have patents to modern embroidery textile technologies, as well as the current technologies requires a lot of manpower, I dreamt of designing textile machines through research and development, in order that Indian customers would not need to import the highly expensive machines currently selling globally.

Since long a question was making rounds in my mind. When each and every process of the fabric textile value-chain like weaving, processing or cutting the fabric is done length wise, why should embroidery be done width wise? One would expect a reply, cause the machines are designed so! But this is about to change.

It is my pleasure to introduce you to the first ever Vertical Embroidery Machine in the world brought to you by Nantex Machineries Pvt Ltd after a diligent research of three long years.

We have designed this fully automated computerized electronic embroidery machine, which can attain a speeds upto 300 rpm, occupies very less space and requires minimal manpower. But the most unique & beneficial aspect of this discovery is, while current technology allows embroidery to be done width wise, our machine is devised to do it along the length of the fabric. Giving a whole different look & enormously benefits the product & the producer.

This will hugely excite the designers across the globe promising to give them the best interpretation & result of their designs. In addition the Vertical Embroidery machine will enable the complete Home furnishing industry to now join the fun in the world of embroidery. Since home furnishing industry required embroidery to be done only length wise, which was not possible till date, this industry had to keep itself deprived of the whole beauty & elegance of embroidery.

We have also ensured that we bring the cost factor down considerable to make embroidery machines much affordable. For the cost of one conventional machine, an embroiderer can now buy eight of our machines. Advantages of this new invention are, it needs low capital investment, less labour, yarn and fabric waste is minimal. Hence the total cost savings can amount between 20-25 percent for the investors.

So we welcome you to be our esteemed customer and help us change the face of embroidery, quite literally.

Mr. Rajkumar Lakshman
Managing Director
Nantex Machineries Pvt. Ltd.

About us :

Nantex Machineries was founded with the purpose of inventing & innovating new technology machines for textiles and automation industry. We have our own R&D team & are working on developing our own manufacturing capacity to produce new developed products.

Purpose of Inventing Vertical Embroidery Machine :

Embroidery having a huge potential worldwide, the purpose of this invention is to change the way fabrics have been embroidered till date literally upside down. Till date schiffli (all over) embroidery is being done along wrong direction of the fabric or across grain line which has negatively impacted the cost & quality of the end product.



Other USPs of the product:

- Right Direction to do embroidery.
- Free hand design creativity.
- Installation space reduced & can be placed on any floor
- Additional Foundation not required & comes with much reduced vibration & noise
- Much less expensive as compared to existing options.
- Requires much less manpower as it is fully automated
- Requires much less electricity
- Fabric is loaded as roll form – up to 150mts in one go – reduced fabric handling & wastage
- Less maintenance cost
- Marginalised embroidered shrinkage
- Fabric stability improved 100%
- Minimised mending of embroider
- Overall manufacturing cost reduced considerably



Basic Information & Dimension

VEM1-4063

- User Interface - 15.1 inch Color touch Screen with USB Drive
- Design File Format - .SAS, .DAT
- Main Shaft Control - AC Servo Motor
- Frame Motion Control - X, Y1, Y2 Axis AC Servo Motors.
- Borer Control - AC Servo Motor.
- Fabric Feeding - Roll Form (up to 150 Mtrs x One Frame)
- Fabric Width - 40 inches to 54 inches.
- Automatic Thread Feeding - AC Servo Motor.
- Operating Voltage - 220V; 3 Phase.
- Rated Power - 3 Kw.
- Operating Speed - 300 RPM.
- Horizontal Frame Movement - 300 mm
- Vertical Frame Movement - Continues...
- Minimum Stitch Length - 0.16 mm (X and Y)
- Maximum Stitch Length - 16.5mm (X and Y)
- Maximum Borer Depth - 20mm
- Shuttle Size - #10 (Left Hand Side)
- Number of Needles - 66
- Machine Length - 4190 mm
- Machine Width - 1420 mm
- Machine Height - 2360
- Machine Weight - 3.2 Ton
- Frame - Single Width
- Repeat - as schiffli 4/4, 8/4, 12/4....
- Foundation - Not required

Basic Information & Dimension

VEM1-54-2

• User Interface	-	15.1 inch Color touch Screen with USB Drive
• Design File Format	-	.SAS, .DAT
• Main Shaft Control	-	AC Servo Motor
• Frame Motion Control	-	X, Y1, Y2 Axis AC Servo Motors.
• Borer Control	-	AC Servo Motor.
• Fabric Feeding	-	Roll Form (up to 150 Mtrs x Two Frame)
• Fabric Width	-	40 inches to 54 inches.
• Automatic Thread Feeding	-	AC Servo Motor.
• Operating Voltage	-	220V; 3 Phase.
• Rated Power	-	3.2 Kw.
• Operating Speed	-	300 RPM.
• Horizontal Frame Movement	-	280 mm
• Vertical Frame Movement	-	Continues...
• Minimum Stitch Length	-	0.16 mm (X and Y)
• Maximum Stitch Length	-	16.5mm (X and Y)
• Maximum Borer Depth	-	20mm
• Shuttle Size	-	#10 (Left Hand Side)
• Number of Needles	-	120
• Machine Length	-	5300 mm
• Machine Width	-	1420 mm
• Machine Height	-	2360 mm
• Machine Weight	-	5 Ton
• Frame	-	Double Width
• Repeat	-	as schiffli 4/4, 8/4, 12/4....
• Foundation	-	Not required

Basic Information & Dimension

VEM1-63-2

• User Interface	-	15.1 inch Color touch Screen with USB Drive
• Design File Format	-	.SAS, .DAT
• Main Shaft Control	-	AC Servo Motor
• Frame Motion Control	-	X, Y1, Y2 Axis AC Servo Motors.
• Borer Control	-	AC Servo Motor.
• Fabric Feeding	-	Roll Form (up to 150 Mtrs x Two Frame)
• Fabric Width	-	54 inches to 63 inches.
• Automatic Thread Feeding	-	AC Servo Motor.
• Operating Voltage	-	220V; 3 Phase.
• Rated Power	-	3.2 Kw.
• Operating Speed	-	300 RPM.
• Horizontal Frame Movement	-	280 mm
• Vertical Frame Movement	-	Continues...
• Minimum Stitch Length	-	0.16 mm (X and Y)
• Maximum Stitch Length	-	16.5mm (X and Y)
• Maximum Borer Depth	-	20mm
• Shuttle Size	-	#10 (Left Hand Side)
• Number of Needles	-	120
• Machine Length	-	6100 mm
• Machine Width	-	1420 mm
• Machine Height	-	2360 mm
• Machine Weight	-	5.3 Ton
• Frame	-	Double Width
• Repeat	-	as schiffli 4/4, 8/4, 12/4....
• Foundation	-	Not required

Basic Information & Dimension

VEM1-110

• User Interface	-	15.1 inch Color touch Screen with USB Drive
• Design File Format	-	.SAS, .DAT
• Main Shaft Control	-	AC Servo Motor
• Frame Motion Control	-	X, Y1, Y2 Axis AC Servo Motors.
• Borer Control	-	AC Servo Motor.
• Fabric Feeding	-	Roll Form (up to 150 Mtrs x Two Frame)
• Fabric Width	-	98 inches to 110 inches.
• Automatic Thread Feeding	-	AC Servo Motor.
• Operating Voltage	-	220V; 3 Phase.
• Rated Power	-	3.2 Kw.
• Operating Speed	-	300 RPM.
• Horizontal Frame Movement	-	500 mm
• Vertical Frame Movement	-	Continues...
• Minimum Stitch Length	-	0.16 mm (X and Y)
• Maximum Stitch Length	-	16.5mm (X and Y)
• Maximum Borer Depth	-	20mm
• Shuttle Size	-	#10 (Left Hand Side)
• Number of Needles	-	132
• Machine Length	-	5300 mm
• Machine Width	-	1420 mm
• Machine Height	-	2360 mm
• Machine Weight	-	5 Ton
• Frame	-	Single Width
• Repeat	-	as schiffli 4/4, 8/4, 12/4....
• Foundation	-	Not required

Basic Information & Dimension

VEM1-140

• User Interface	-	15.1 inch Color touch Screen with USB Drive
• Design File Format	-	.SAS, .DAT
• Main Shaft Control	-	AC Servo Motor
• Frame Motion Control	-	X, Y1, Y2 Axis AC Servo Motors.
• Borer Control	-	AC Servo Motor.
• Fabric Feeding	-	Roll Form (up to 150 Mtrs x Two Frame)
• Fabric Width	-	124 inches to 140 inches.
• Automatic Thread Feeding	-	AC Servo Motor.
• Operating Voltage	-	220V; 3 Phase.
• Rated Power	-	3.2 Kw.
• Operating Speed	-	300 RPM.
• Horizontal Frame Movement	-	500 mm
• Vertical Frame Movement	-	Continues...
• Minimum Stitch Length	-	0.16 mm (X and Y)
• Maximum Stitch Length	-	16.5mm (X and Y)
• Maximum Borer Depth	-	20mm
• Shuttle Size	-	#10 (Left Hand Side)
• Number of Needles	-	150
• Machine Length	-	5300 mm
• Machine Width	-	1420 mm
• Machine Height	-	2360 mm
• Machine Weight	-	5.2 Ton
• Frame	-	Single Width
• Repeat	-	as schiffli 4/4, 8/4, 12/4....
• Foundation	-	Not required



Why Choose Us

➤ **Complete solution for Machine Manufacturing:**

We are the first company in India who has made complete embroidery machine with control system.

➤ **Own research and Development team:**

We are having Own team for Mechanical, Electronics, Electrical and software to produce any kind of automation products.

➤ **Customised machine:**

We have the capability to produce any kind of textile and any other robotic machineries.

➤ **Customer oriented:**

Developing entire machine in India leads quick trouble shoot for any technical fault.

Nantex Machineries Pvt. Ltd.

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