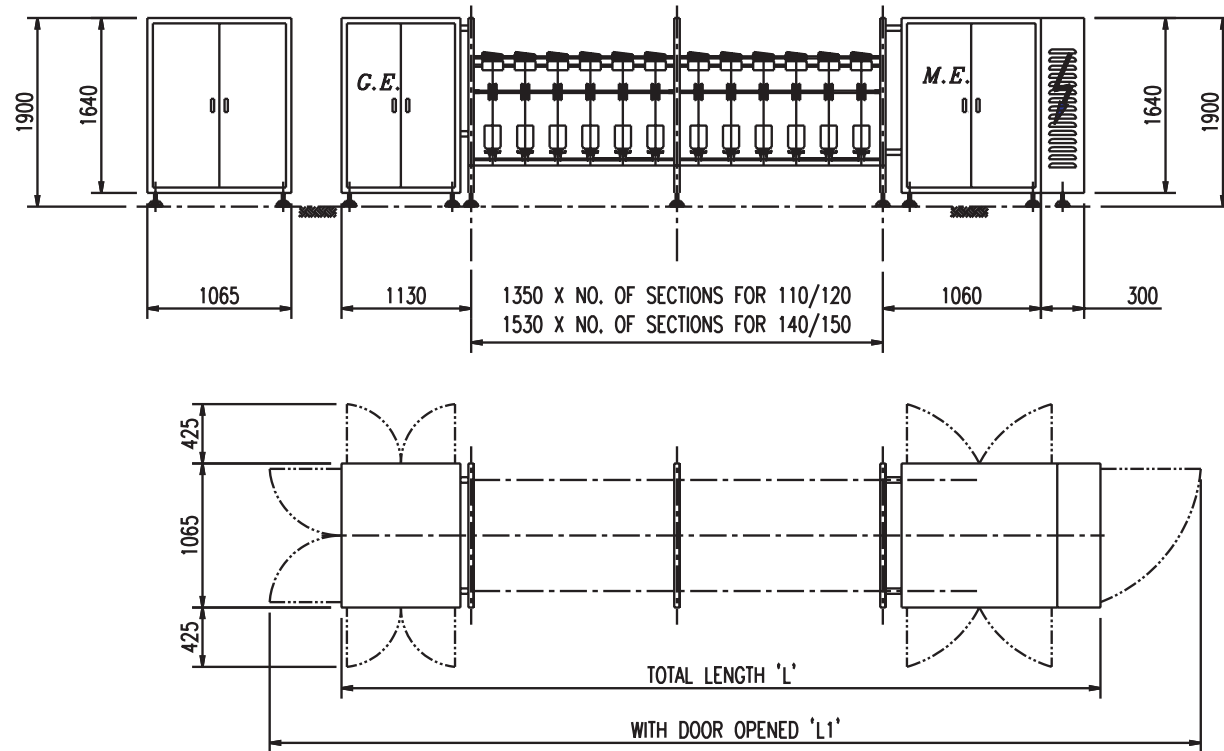
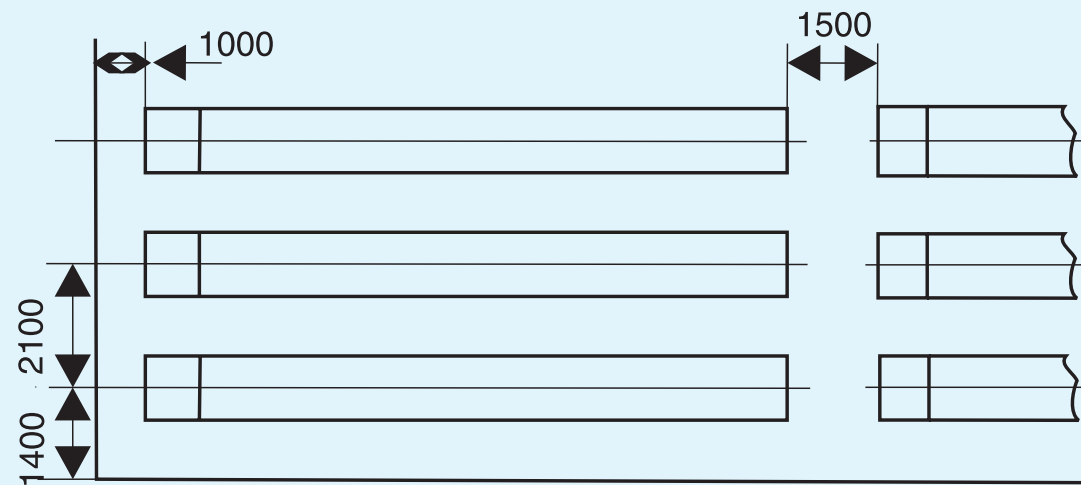




TFO Twister For Spun Yarn



Installation :



HIMSON TEXTILE ENGINEERING INDUSTRIES PVT. LTD.

294, G.I.D.C., Pandesara. Surat-394221. Ph : 0261-2898586/87. 9898500601. Fax : 0261-2891748. Mumbai-61/C, Mittal Court, Nariman Point, Mumbai-400 021. Ph : 022-22845038,22843681,22828132,22834012,22875415/16. Fax :022-22042202. Ahmedabad-Ph : 079-27544866,27543099, 25835873. Fax : 25835872,27542106. Delhi-011-25749362,25749332.Fax : 25760636. Bhiwandi- Ph : 02522-247051,246190. Website : www.himsonoriginal.com. Email :pratik@himsonoriginal.com

Product Specifications may be subject to change without prior information. Combinations of all maximum values/parameters may not be possible at a time.



TECHNOLOGY WITH A DIFFERENCE



HIMSON TEXTILE ENGINEERING INDUSTRIES LIMITED is the flagship company of the Rs. 4.0 billion HIMSON group. Himson started its activities about 50 years ago with only few looms to manufacture quality fabrics. Since then the group activities have grown from strength to strength. HIMSON first concentrated on expansion in the loom shed and subsequently dyeing and finishing houses were added for further growth through forward integration. Further lace and embroidery units were established as a move towards complementary diversification. Till this time growth was slow and steady with focus only on textiles.

PRODUCT RANGE :

- DRAW TEXTURISING**
- DRAW TWISTER**
- AIR JET TEXTURISING**
- DRAW ASSEMBLY WINDERS**
- TWO FOR ONE TWISTER**
- FOR FILAMENT YARN**
- FOR SPUN YARN**
- CREPE TWISTER**
- WINDERS**
- CHEESE WINDER**
- COP WINDER**
- HANK WINDER**
- CONE WINDER**
- RAPIER LOOMS**
- SHUTTLE CHANGE LOOMS**
- CIRCULAR KNITTING**



Take up Mechanism Cradle

Sturdy cradle accommodate take-up packages from 0° - 5°57'. The max. package dia. can be up to 0 254 mm.

Cradle Tension Device

The device prevents variation of contact pressure due to weight change of the take-up package.

Auto-Cradle-Lifting Device

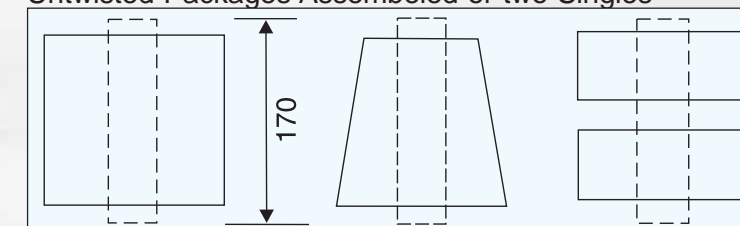
In case of yarn breakage or absence of feed yarn, the cradle is automatically lifted.

SPECIFICATIONS :

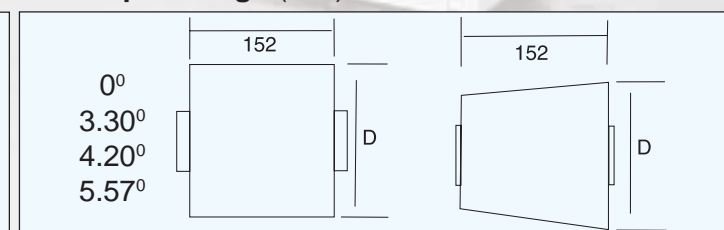
	DTS-110/DTS-120	DTS-140/DTS-150
Model	DTS-110/DTS-120	DTS-140/DTS-150
Nos. of spindle per section	: 12	: 12
No. of spindle per machine	: 204	: 192/180
Spindle Gauge	: 210	: 240
Max. spindle speed	: 12000 RPM(Mechanical)	: 12000 RPM(Mechanical)
Count range (with Baloon Limitor)	: 2/15 to 2/120 NE	: 2/10 to 2/100 NE
Count range (without Baloon Limitor)	: 2/30 to 2/120 NE	: 2/16 to 2/100 NE
Twist range	: 2.25 to 40 TPI(89 to 1575 TPM)	: 2.25 to 40 TPI(89 to 1575 TPM)
Direction of twist	: S or Z twist changeable	: S or Z twist changeable
Supply (feed) package	: Ø38 or Ø43 x 170 mm up to Ø106/Ø116mm. spun yarn like cotton, wool, polyester, acrylic & its blend.	: Ø38 or Ø43 x 170 mm up to Ø1.36 / Ø46mm. spun yarn like cotton, wool, polyester, acrylic & its blend.
Max. Package Weight	: 500/600 gms.	: 950/1050 gms.
Conacity take up package	: 0°.3°.30',4°.20°' & 5°.57'	: 0°.3°.30',4°.20°' & 5°.57'
Spindle/Pot Dia.	: 110 mm / 120 mm.	: 140 mm / 150 mm.
Traverse	: 152 mm(6")	: 152 mm(6")
Spindle drive system	: Tangential belt drive.	: Tangential belt drive.
Tensioner	: Capsule type.	: Capsule type.
Electric motor	: 12.5, 15 & 20 H.P.	: 30/40 H.P.
Stop motion	: Automatic cradle lifting as soon as the yarn break Delivery of feed yarn stopped & simultaneously cradle is lifted.	: Automatic cradle lifting as soon as the yarn break Delivery of feed yarn stopped & simultaneously cradle is lifted.
Starting system	: Slow start by star delta.	: Slow start by star delta.
Brake system	: Hand/ Foot	: Hand/ Foot

Supply Packages

Untwisted Packages Assembled or two Singles



Take-up Package (mm)



Optional :

- ◆ Air threading device
- ◆ Oiling device
- ◆ Inverter
- ◆ Waxing device.
- ◆ Creeping device



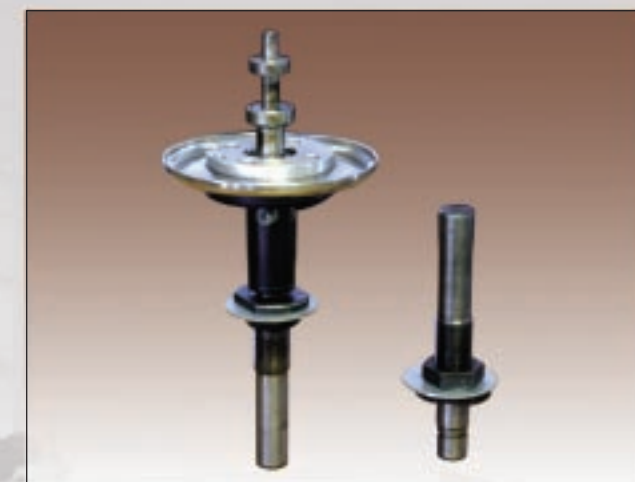
Dropper & Sensor
In case of yarn breakage, the supply of yarn is stopped by the action of the dropper and this simultaneously activates the cradle lifting device.



Soft Package Attachment
Accurate take-up tension is controlled by the change of contact angle of the over feed roller which is done by adjusting the guide eikkwe position.



Himson has always combined expertise and latest technology to meet the customers demand. Pursuing such a commitment, and in consonance with the latest trends and needs, it offers a wide range of Two For One twisters. Having opened new avenues in the production and sales of a variety of world-class filament yarn processing machines, it now edges forward with the introduction of Two-For-One twister model DTS-110. Especially designed to serve vast spun yarn textile industries. Its range of characteristics, comprise high productivity, less power consumption, easy operations and less maintenance.



- ◆ High quality of the yarn
- ◆ High quality of package
- ◆ High quality of the machine
- ◆ Low power consumption



Gear Box
The gear Box is manufactured for smooth, consistent and high delivery speed. All Gears are lubricated with oil by continuous. With drives to the cones, Pre take-up, Traverse, Anti patterning device and crossing angle are controlled from the Gear Box. Changeable gears like TPI gear, pre take-up gears & crossing angle are easily changeable & oil are located on one side of the gear box.



Tailing Device
Tailing device attachment is provided on the machine for producing tailing end.



The perfectly balanced spindle, produces high quality of the yarn which depends on the optimization of the elements the technological parameters such as optimization of the balloon tension. Reduced energy consumption and noise level due to the use of strategically balanced spindles manufactured in technical collaboration with M/s MTS - Italy.



A highly efficient foot-operated braking system provides easy stopping of the spindle. The braking system disengages the tegential belt from the spindle resulting in longer life of the belt.



TFO Twister for Spun Yarn

