



# *National Textile*

*Engineering Industries*

**SPUN TFO SINGLE DECK**



# ABOUT US

## NATIONAL TEXTILE ENGG INDUSTRIES

Since 2004 , NATIONAL TEXTILE ENGG INDUSTRIES has a strong foothold in the textile industry, with continuous innovation approach and latest cutting edge technology upgradation within company infrastructure, we are the leading manufacturer in India possessing a vast range of 72 types of different which makes us one and only of our kind all over India. Regardless of the size and scale of your company we understand the investment in new machine is done with analyzing the viability of project, quality of product produced, durability of machine and a long term vision in mind. So Correct selection of machine can make a difference in your business.

## SELECTION OF MACHINE WITH GUIDANCE OF QUALIFIED ENGINEERS

Because we are here to make a difference in your business

Utilizing the resources like man power, space availability, electricity consumption, operating expenses, investment and time get the most valued output promise.

National machines is right choice for fastest technology absorption, Instead its necessary in competitive market times.

## WIDE RANGE OF TWISTING, DOUBLING, COVERING & WINDING MACHINE

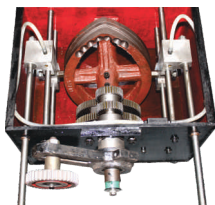
- Cotton/ Spun Tfo Machine
- Industrial Yarn Tfo Machines
- Thread Doubler Tfo Machines
- Elastic Yarn Covering Machines
- Spandex Yarn Covering Machine
- Jari Doubler Machines
- Bobbin Winder Machines
- Assembly Winder Machines
- Intermingling Machine
- Filament Tfo Machines
- Ring Doubler Machines
- Jari Covering Machine
- Cabler Tfo Machines
- Snz Covering Machine
- Cone To Cone Sizing
- Cops Winder Machines
- Multiply Winder Machines
- Customised Machines
- Cone Winding Machine



## SPINDLE

The spindles are dynamically designed by keeping energy conservation in mind and optimum reserve area the place where twist are set on yarns which ensure the quality. Spindle are optimized to maximize feed package weight without increasing energy cost.

- + Energy efficient spindles design
- + Maximum reserve area for Yarn twist quality
- + Optimized to maximize feed package for better efficiency



## GEARBOX / CAMBOX

Auto oil circulation gearbox box with dedicated motor and pump to ensure continuous lubrication And minimize wear and tear maintenance. Fully oil immersed cambox to reduce mechanical friction, efforts and losses

- + Easy operating of gearbox with 6-8 gears covers a wide range of 100-3000 tpm in just 10 min.
- + Fully manufactured In house to ensure the life long quality performance.
- + Anti patterning settings for take up package winding

## PACKAGE SIZE

Wide range option to choose from roll takeup size , direct papertube take up sizes. Depending upon the end use of yarn take up package size can be customized and opted accordingly.



## FOOT BREAK

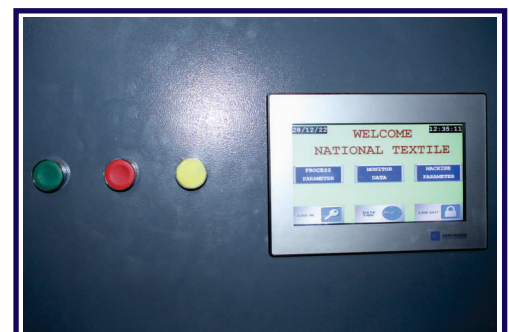
Individual foot break system allow easy operation of machine reduces labor fatigue and enable to take maximum productivity through manpower resources. Dis engage drive foot break complete isolation of spindle when break operated which ensure productivity with other spindles and no friction on running belt improving overall life.

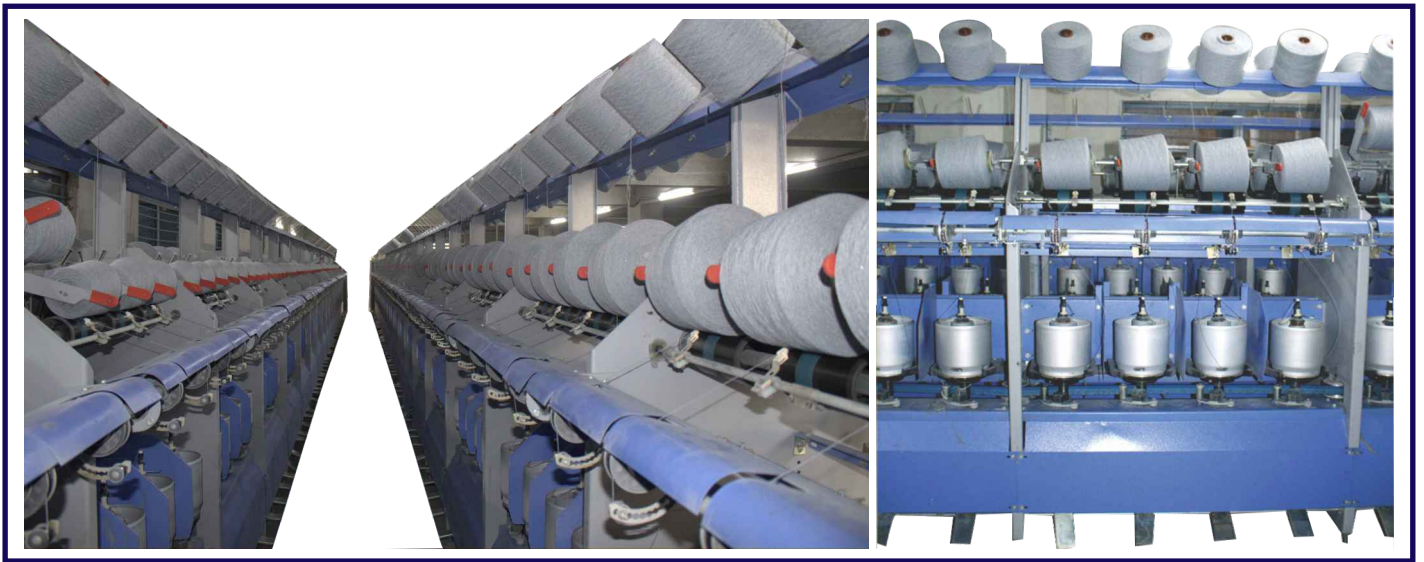


## PLC CONTROL SYSTEM

Plc system with touch screen HMI display to access and control machine working parameters effortlessly just with control of simple touch. Servo motor and servo systems ensures precise and steeples setting of all parameters.

- + RPM control for changing rpm for different yarn count.
- + TPM control to set and change different tpm.
- + TRAVERS Control to control cross winding angle on takeup package.





## KEY FEATURES

- Modular sheet metal structure to deliver strong mechanical support and sturdiness and stability at higher speeds.
- Yarn path is designed in a such way that it ensures minimum tension on yarn and reduce electricity consumption, which is been achieved by quality designed of machines.
- Ceramic devices and hard anodized/plasma coated spindles for handling the filament yarn delicately to ensure optimum quality.
- Complete oil immersed cambox for trouble free smooth operation and minimum wear & tear through the 20 years of life of machine.
- Auto oil circulation gearbox take cares of its own lubrication, without any regular attention of operator. Which reduces maintenance cost of machines.
- Long yarn path design for proper twist setting and control of quality.
- Overfeed system to control package density and optimize for making soft package ready for dyeing.
- Dynamically balanced precession spindles and imported nylon double sandwiched belt improves performance and reduce mechanical losses.
- Extremely lower production cost due to machine design, lower electricity consumption higher spindle speed. Which improves production with context to time.

**IF YOU ARE LOOKING TO COMPETE EXISTING TEXTILE INDUSTRY WITH PRODUCTION, QUALITY AND VIABILITY NATIONAL TFO IS RIGHT CHOICE FOR YOU. CAN EASILY GIVE YOU COMMAND OVER COMMERCIAL AS WELL AS TECHNICAL ASPECT OF TEXTILE INDUSTRY.**

**Note:-**




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