

## **Machine feature of AX4N**

- **Primary Heater Open Type :**  
Open Type Heater : Plasma Coated High Curvature Track , optimized Track profile insure effective heating, high efficient Heater , Vapour Phase Type, available in 1.6 M and 2 M length in a block of 12 position. Threading System with 2:1 Sledge with Twist Stopper.
- **Primary Heater Close Type:** Close type tubular Heater, Vapour Phase, energy saver Heaters available in block of 12 position 1.75 M or 2M length. Threading system with telephone guide arrangement and 2:1 Sledge with Twist Stopper as an option.
- **Secondary Heater :** Close Type tubular Heater , Vapour phase type , energy saver Heaters Available in block of 12 or 24 position. 1.4 meter effective length to reduce torque in the textured yarn.
- **Cooling Zone :**  
High Curvature 1.25 M cooling zone with optimized track geometry natural air cooled or forced cooling, Nitrogenised and ultra-finish track with precise setting with open Heater.  
1.25 M cooling zone with Nitrogenised ultra- finish cooling pipe with tangential path on tube periphery with entry and exit guide to insure effective cooling.
- Twist Unit: Tri- Axial spindle, optimized geometry, High stability Twisting unit equipped with 54.5 mm dia. And 9 mm thick disc. Optional 1-5-1 combination.
- Extra Feed Shaft at intermediate position for intermingling zone.
- 1FR, NFR and 3FR equipped with nip roller as standard & apron system as an option.
- 2Fr equipped with Apron System as a standard supply
- Heavy duty low maintenance yarn take-up cradles for producing precise package up to 250 mm dia. And 250 mm length. Taper angle 6°, 9° & 18°.
- New improved Traverse Box gives low noise, low vibration, low oil splashing result in higher oil top time and reduced maintenance.
- New revised axial mechanism to improve package build-up. 8-Cycle programed with 12 mm axial displacement max. and Dwell 30% to 60%.
- New oiling system with large diameter grooved rollers, constant oil level control by gravity feed system, excellent oil penetration, and minimum oil splash.
- Advance P.C software for controlling & monitoring all the machine parameters.
- Low height & Operator friendly thread line reduces threading time.
- All machine drives by individual invertors closed loop feedback with encoder & Timing Belt. Direct drive option for individual motor and shaft to reduce the number of belts.
- Provision for Online Tension Monitoring System and Doff timer.
- Split type machine supply for both sides independent operation as an option.
- Spandex Feeder attachment as an option.