PRIME ENGINEERS

Made in INDIA

Chenille Machine



Fully electronic | Slub program | Siemens S7-1200 G2 PLC | Flexible Sampling

Slub chenille capabilities

Chenille Machine — Next generation

Fully Electronic Yarn Spinning

PRIME ENGINEERS

Servo-driven, Siemens PLC controlled chenille machine engineered for precision yarn quality, high output, smart-factory integration — and the slub chenille

- Programmable thick-and-thin **Slub** yarn for premium textured fabrics — a capability most chenille machines simply cannot match.
- **All-Servo Motor Control**
  Closed-loop servo control delivers precise, repeatable yarn quality with minimal mechanical wear.
- **Industry 4.0 Ready**
  Siemens S7-1200 G2 PLC. Seamless integration with smart-factory systems for real-time production visibility.
- **HMI Screen Sharing**
  Remote Diagnosis Support. Dedicated monitor for operation, diagnostics and remote service assistance from our engineers.
- **Flexible Sampling**
  Independent Head Programming. First four heads can run independent sampling programmes alongside full production runs.
- **Wide Material Range**
  Multi-Fibre Compatibility. Handles acrylic, cotton, polyester, spun polyester, viscose and micro-fibre yarns with ease.

Technical Specification 120 Spindles and 115 mm ring standard

- **Yarn Production:** 0.3 Nm to 15 Nm
- **Spindle Configration:** 8, 16, 32, 96, 120
- **Available Ring size:** 115, 125, 140 mm
- **Gauge Distance:** 150 mm for 115 mm ring
- **Bobbin Height:** 450 mm
- **Drive Function:** Individual servo per function
- **Production Speed:** Maximum 15 mtr/min
- **Flyer:** Maximum 18000 rpm
- **Spindle:** Maximum 8000 rpm
- **Length:** 22 meter
- **Height:** 2.5 meter
- **Width:** 2.5 meter
- **Maximum Package Height and Weight:** 400 mm Height and 650 Gram

Take the Guesswork Out of Production Planning

Every machine ships with production-planning software that calculates cost, output and timing before a single spindle turns.

- **Optimum package weight** calculation for every doffing cycle
- **Doffing time estimation** to plan operator schedules
- **Power consumption** per Kg of chenille yarn production
- **Raw material cost per kg** of finished chenille yarn
- **Core-yarn / effect-yarn** proportion control