

Technical specification

Autocoro 360-408 / 360 spindles

Traverse (" / mm): 6 / approx. 150

1. Basic machine

- Automatic rotor spinning machine Autocoro 360-408
- IDS - Intelligent Drive System
- Setting of Rotor speed, Take-up tension Spinning Vacuum, Opening Roller speed yarn twist and draft infinitely adjustable via frequency converter
- EVA Electronic Vacuum Adjustment for electronically controlled, constant spinning vacuum 65 to 95 mbar
- Conveyor belt for each machine side, for the removal of the packages
- Electrical equipment for connection to 380/400 V 50 Hz
- Sliver can dimensions: Diameter 460 mm to 530 mm (17.5" to 20"), Height 900 mm to 1220 mm (36" to 48") Sliver cans not included in the delivered equipment

2. Spinbox

- Corobox SE12 for rotor speeds from 40000 rpm up to 150000 rpm, as a function of sliver, rotor diameter, and yarn count
- For spinning natural and manmade fibre materials and blends of these materials with staple length up to 60 mm
- TwinDisc bearings with MRPS Magnetic Rotor Positioning System, or as an alternative, with hybrid bearings
- SDSI Single Drive Sliver Intake, individual-motor drive sliver intake for feed slivers up to 7 ktex (Nm 0.14 / Ne 0.08) and drafts in the range of 20 -fold to 450-fold
- One set Belcoro of spinning components, consisting of opening rollers, adaptors, rotors and navels
- TorqueStop twist blocking element for increasing the spinning stability

3. Coromat

- 3 Coromat unit(s) with EIS Event Identification System for automatic sensor-controlled yarn piecing and package doffing
- Cleaning head for mechanical and pneumatic cleaning of Rotor, Spinbox, Spin navel and Doff tube
- Laser light barrier for precise rotor speed measuring and control of the yarn piecing cycle
- Electronically controlled yarn transfer, upper yarn sensor and sliver monitoring
- Electronic piecing tester
- Empty tube magazine for taking, at buyer's option, either 315 or (if ceiling of room is not high enough) 265 tubes

4. Winding unit

- Tapered cross-wound yarn packages up to 1°50' – Type SRK winding head in execution for the production of tapered yarn packages up to 1°50' on tubes conforming to DIN / ISO standards

- Type SRK for tapered CoroPack ValueWeight yarn packages on tubes according to DIN / ISO. For compact yarn packages up to 300 mm in diameter
- Roller-guided yarn guide rods and auxiliary drive. Wear-protected, steel-encased carbon fibre yarn guide rods for take-up speeds up to 215 m/min at 30° angle of wind of the packages produced.
- Anti patterning by periodic alteration of the yarn guide speed
- Supplementary yarn guide gear
- Length measuring system for producing yarn packages containing yarn of a pre-defined length or, if yarn length measuring is not required, for mechanical stop when the pre-set package diameter is reached
- Waxing device for knitting yarn waxing, wax rolls not included

5. Yarn monitoring

- Corolab XQ - Yarn Monitoring System with optoelectronic quality control sensor at each spinning unit.

6. Additional extra equipment

- additional package cradle damping

The buyer specifies the yarns to be wound, the count range, and the dimensions of the sliver cans and package tubes, to provide a precise technical specification of the machine.

We reserve the right to make alterations in the interests of technical progress.