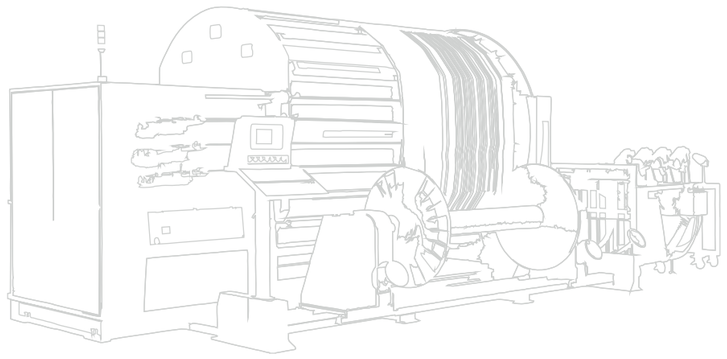
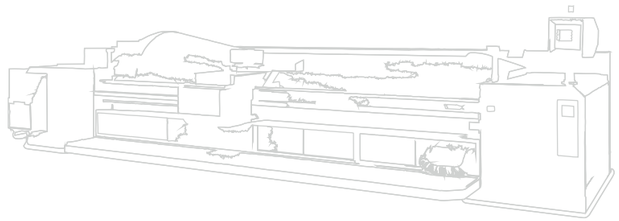






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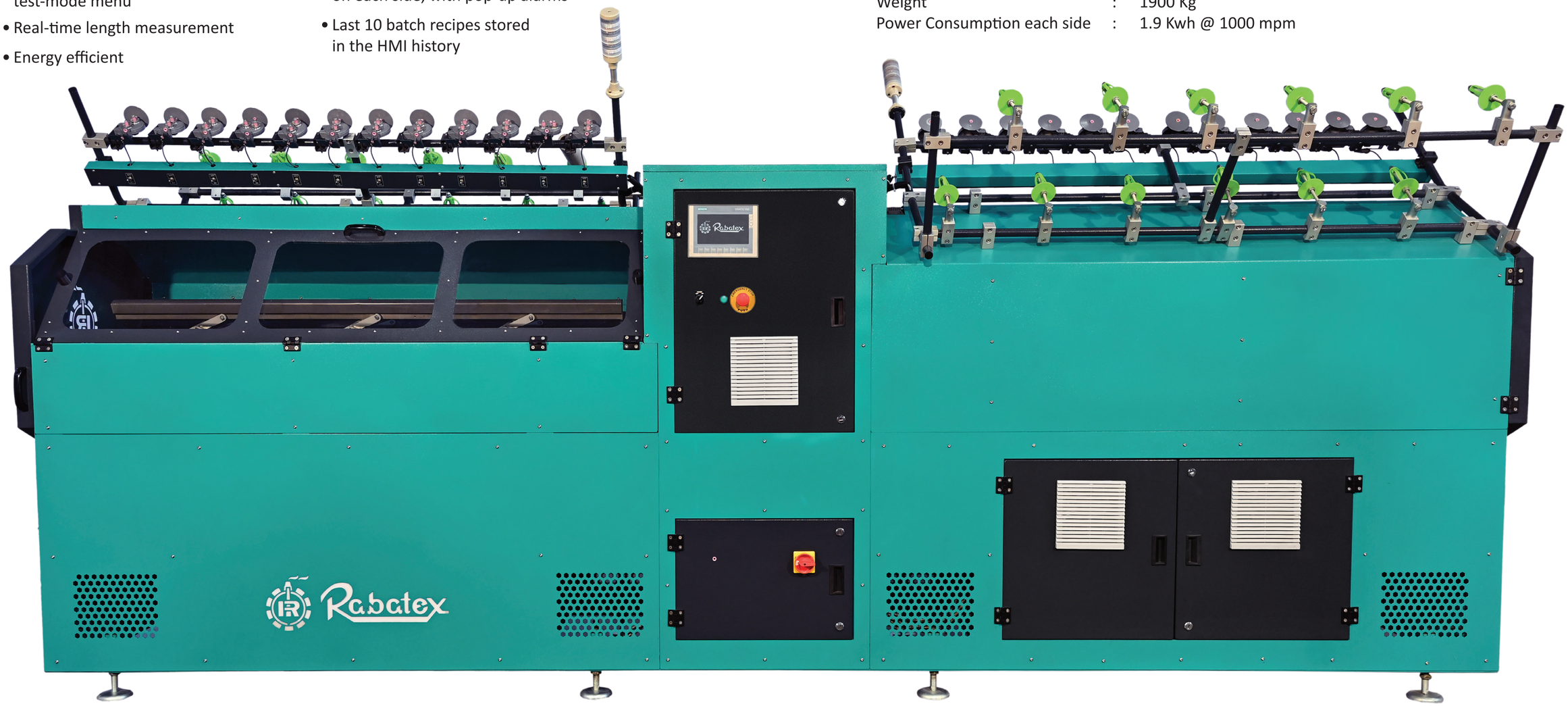
PRECISION HANK WINDING MACHINE

Feature Highlights

- Dual 7-inch touchscreen HMI with quick-access function switches
- Individually controlled operation dashboard
- Drum Expand-Collapse controlled by Variable frequency drive
- Winding pitch and angle controlled by servo drive
- Drum winding controlled by Variable frequency drive
- Troubleshooting checkpoints and test-mode menu
- Real-time length measurement
- Energy efficient
- Real-time data monitoring for all motors
- Variable winding-stroke setting for precise winding angle
- Auto-stop on yarn breakage, with alarm and tower-light indication
- Overload indication for all motors
- Individually controlled stop-motion sensors
- Advanced operator-safety features on each side, with pop-up alarms
- Last 10 batch recipes stored in the HMI history

Technical Features

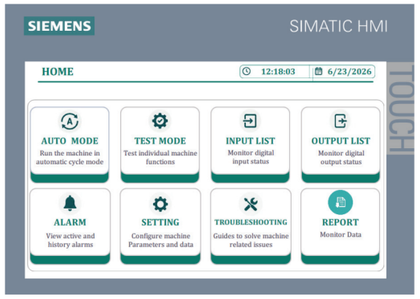
Number of Hanks	:	24 nos (12 x 2)
Winding speed	:	Up to 1000 MPM
Yarn-guide traverse speed	:	Up to 350 double strokes/min
Yarn brake	:	Through Sensor and Indicator
Yarn tension control	:	Through ratchet-type tensioners
Length Measurement	:	Through encoder
Winding Stroke	:	Up to 520 mm
Winding Pitch	:	0.05 mm to 1 mm
Winding Motor	:	3 HP AC motor
Winding Drive	:	AC drive
Winding traverse controlled by	:	Through servo motor
Input Power Supply	:	450 V, 3-phase
Dimensions	:	6159 X 1290 X 2109 (Length X Width X Height)
Weight	:	1900 Kg
Power Consumption each side	:	1.9 Kwh @ 1000 mpm



PRECISION HANK WINDING MACHINE

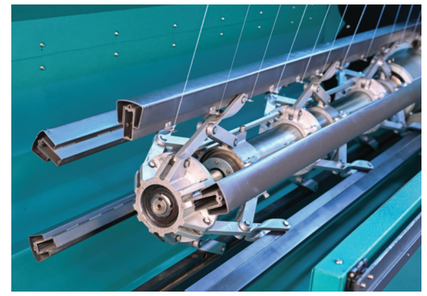
Hank Specification

Hank circumference	:	1,066–1,473 mm (42–58 inch)
Hank weight	:	Up to 3,000 g per hank
Hank width	:	95–520 mm



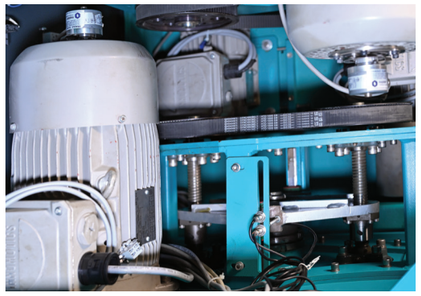
Operating HMI Panel

- Touch Screen
- 7-inch Multicolor LCD
- Set length / set speed with live actual-speed display
- Pop-up alarms
- Real-time status monitoring
- User-Friendly interface



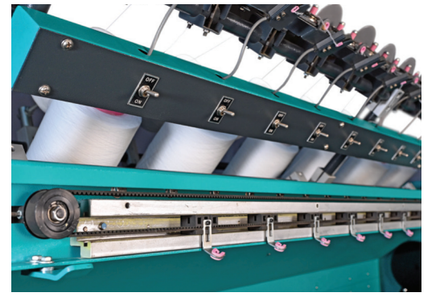
Drum Assembly

- Adjustable drum diameter
- Lightweight hardened aluminum links
- Ergonomic winding shape profiles
- Yarn knotting hook



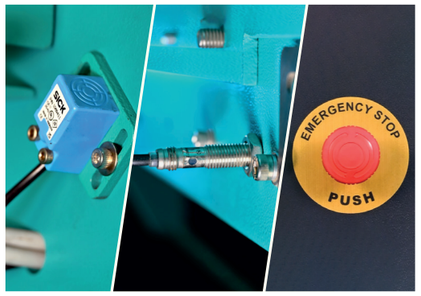
Drive Systems

- Yarn Traverse Servo motor
- Drum Rotation AC motor with encoder
- Drum expand-collapse AC brake motor with encoder
- All Drives with timing belt and pulley



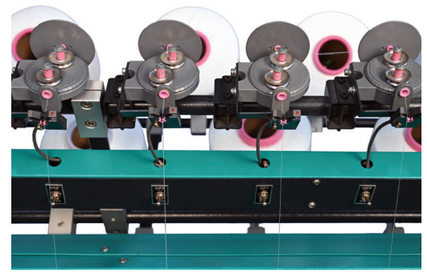
Yarn traverse assembly

- Servo Controlled
- Timing belt and pulley
- High-precision winding
- Constant traverse-angle pitch
- Variable traverse-angle pitch



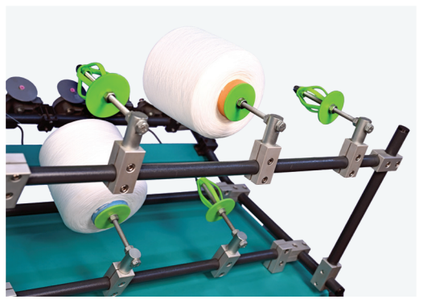
Safety and sensors

- Front door sensors
- Side door sensors
- Yarn guide over traverse sensors
- Emergency stop
- Yarn-brake sensor
- Homing sensor
- Expand-Collapse sensors



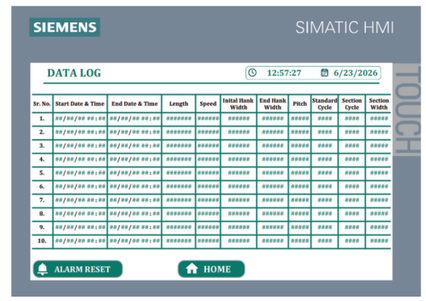
Tensioner Assembly

- Ratchet-type tensioners
- Bi-directional yarn sensing
- LED indication for yarn
- Adjustable angle
- Adjustable pitch
- Individual toggle switch



Bobbin holder assembly

- Suitable for any type of paper tube
- Angle adjustment according to package height
- Adjustable pitch to suit package diameter



Data log

- Built-in data log stores the last 10 batch production records
- Captures start/end date & time for every batch
- Logs length, speed, pitch, and initial & end hank width
- Records standard cycle, section cycle, and section width