

TAPE LINE MACHINE AUTOMATION

Amtech's Tape Line Machine Automation is a new generation control system which integrates the operation of Tape Line Machine. It is used to make plastic tapes for making woven sacks typically used to load cement, fertilizer, sugar, flour, food grains, vegetables etc and others such as HDPE, polypropylene.

Our Automation solution uses Next Generation VFD, Heater Controller, HMI and intelligent process controller. The machine is an extrusion line with rollers following up after the die which runs at synchronous ratio controlled speeds to control the quality and denier of the tape.



Features

- ✓ Amtech designed system provides open architecture with complete flexibility, high performance and ease of operation to the end user
- ✓ Precise and accurate control of machine synchronization
- ✓ Accurate heater control provides controlled temperature which increases quality
- ✓ Efficient control of melt pump
- ✓ The system uses advanced software tools and components to build the necessary logic for better process controlling
- ✓ Factory-tested integration
- ✓ Monitoring and visualization of all the interlocks, pressures, temperatures etc
- ✓ User-friendly HMI for Monitoring and Controlling
- ✓ Full motor protection
- ✓ Efficient AC drive

Benefits

- ✓ Energy efficient system
- ✓ OEM supported panel structure- Less footprint
- ✓ Precise synchronization gives no variation of denier
- ✓ Accurate heater control with safety interlocking
- ✓ Modular design gives more flexibility
- ✓ Smooth acceleration and deceleration by VFD reduces mechanical stress on machine, which increases life of mechanical parts
- ✓ Better reliability, more uptime
- ✓ Easy monitoring of Machine Data
- ✓ Appropriate displays are provided on the HMI unit to assist with pinpointing any faults
- ✓ Short Payback Period with better productivity and reduced energy consumption
- ✓ Quick and safe commissioning
- ✓ Minimized maintenance costs
- ✓ Qualified after-sales service with Amtech's assistance

