

Crosslapper

TS drive
TS microlap

Synchronised drives and controls
Lower energy consumption
Less downtime
Lower service costs

The ultimate drive and control system for industry



tomorrows solution today

Crosslapper

TS Drive

The new generation of TS Crosslapper Drives

- High Performance ABB AC Inverter ACSM1 machinery drives
- ABB Series AC 500 PLC with simple English programming
- Synchronized control
- HMI Touchscreen operator interface with onscreen diagnostics
- Networking
- Internet remote diagnostic support

TS Crosslapper drive can be retrofitted to any manufacturer's crosslapper

We supply a new floor mounted control cabinet housing all the necessary controls and amplifiers.

New cables to existing motors complete with plugs to facilitate the changeover. The TS drive system is based on the latest ABB Drive Technology. Option to utilise existing motors to reduce cost of upgrade or new motors can be supplied. Simple maintenance with on-screen diagnostics

Microlap TS

The unique Microlap system provides finite control for web laying profiles on the crosslapper. The system can be fitted to any existing crosslapper.

Option to utilise existing drives or supply new AC inverter drives for the conveyor and traverse motions. The traverse speeds are adjusted automatically to achieve the desired product density (profile). Values are inputted on a graph to set the required profile. We synchronise the bottom lattice speed with the crosslapper so we have further control on the laydown of material.

TE Feature - This feature allows the operator to alter the laydown width so the reversal occurs 10mm narrower on each side (or a preset amount) for one plait, 10mm narrower for the next plait, then back to the full width again. The actual sequence can also be preset to always ensure a flat edge is achieved.

SE Feature - This feature allows the operator to alter the laydown width so no reversals occur on top of each other on subsequent plaits. It will over feed by say 10mm, then revert back to normal laydown again, alternating between the two to achieve the desired flat edges

Service and Support

TS Drives use industry standard components from major manufacturers such as ABB. All are available from local service providers.

The comprehensive built-in diagnostic system allows configuration and monitoring of all TS systems with protocols for integration into any device level network.

We advise all our clients to purchase our products with Remote Internet Diagnostic support using dedicated internet IP addresses to allow your engineers and our engineers to access your systems for monitoring and software support worldwide.



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