



TensionMaster

Bridge Brake System

Automatic Tension Control of the
Single Faced Webs

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At E+L Corrugated we have a clear understanding of our customers ultimate goal: Maximum Profitability. Equally clear to E+L Corrugated is that your goal is heavily influenced by the key factors of minimum production costs and maximum product quality. It's for this reason that our portfolio of systems are developed to help our customers to increase the efficiency of the corrugator and ensure that they produce the best possible corrugated board, ultimately increasing the productivity of your converting machines and ensuring optimum performance of the finished box.

Your Goal - Our Systems

- Guiding & Tension Control
- Process Control
- Quality Assurance

The TensionMaster Bridge Brake System ensures optimum control of machine direction board shape, which is a key requirement for maximum conversion productivity. The TensionMaster features a closed loop tension control system to ensure that target tension values are achieved, regardless of influencing factors such as a change of bridge volume or a speed change.

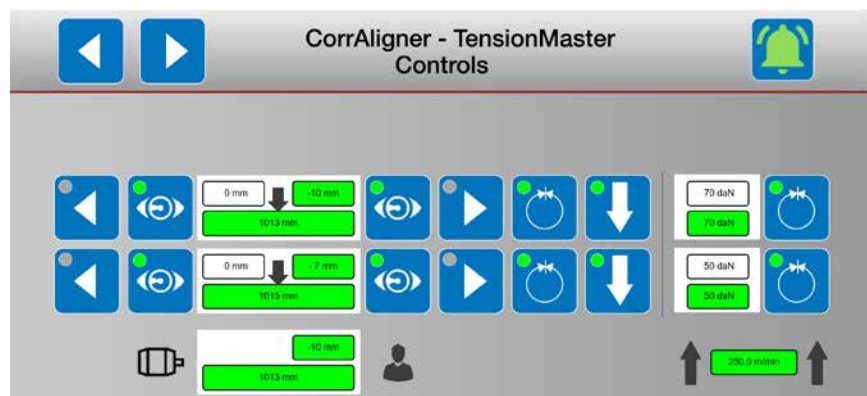
The TensionMaster can be configured with a pneumatic brake or a servo drive to ensure that various process and product factors which create excessive pre-tension do not impact the quality of the finished board. The servo drive also functions as a threading aid to assist the operators when threading up the corrugator.



OUR SYSTEMS – YOUR BENEFITS

- Increased Conversion Productivity
- Consistent Product Quality
- Corrugator Control System Compatible
- Low Maintenance

TensionMaster Features



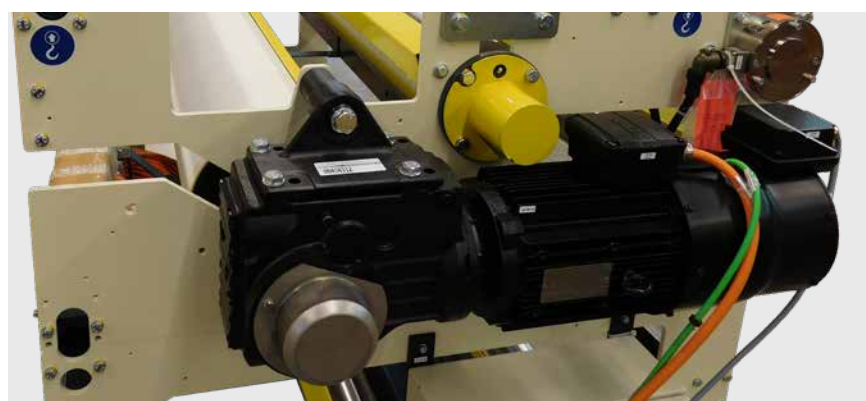
TensionMaster Closed Loop Control System

Load cells constantly measure the actual tension of each single face web to ensure that the target tension value is achieved and maintained regardless of changes to production conditions such as a speed change or an increase in the amount of single faced web on the bridge. A 15" HMI touchscreen enables operators to change the target tension values and control the TensionMaster.



TensionMaster Pneumatic Brake

Our time proven option for providing customers with the benefits of closed loop tension control continues to be used by leading suppliers of corrugating machines and producers of corrugated sheets across the globe. In addition to the range of tension control achievable with this option, extra braking force can be achieved if the TensionMaster is configured with an additional infeed pre-brake.



TensionMaster Servo Drive

The servo drive option provides a wider range of control over the single faced web tension. In particular, it allows the actual minimum tension of the single faced webs to be reduced, preventing machine direction up-warp caused by excessive actual single faced web tension. The servo drive also functions as a threading aid, overcoming health and safety limitations associated with operators pulling heavy single faced webs off of the bridge when threading up the corrugator.

TensionMaster Options

Pneumatic brake	100 daN braking force
Pneumatic brake +	150 daN braking force
Servo drive	150 daN braking force
Servo drive +	200 daN braking force

Technical Data

Max. Machine Speed	500 m/min
Max. Paper Width	3300 mm

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Subject to technical modifications without notice · TensionMaster_PRO--251730-03-EN · 04/2022