



**Continuously Ensures
Optimal Fabric Tension**

Product Sheet

Multichannel Tension Controller for the Paper Industry

MTC

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Features

- Easy calibration
- Controls up to 4 stretchers
- Allows measurement on both sides of roller
- Operator friendly
- Displays actual fabric tension
- Fieldbus, serial, and analog output communication
- Can replace old systems—for example, JUD
- Alarm handling
- Increases lifetime of rollers and bearings
- Improves form of fabric
- Increases fabric service life

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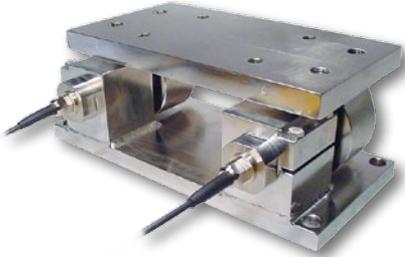
Our new multichannel tension controller combines our load cells with state-of-the-art G4 instrumentation for measurement and control to optimize fabric tension.

The tension controller is suitable for both new machines and retrofit of existing machines. The system can work with existing BLH or Nobel Weighing Systems web tension units, or existing strain-gage-type load cell units.

Instrumentation

Product	Description
<p>G4</p> 	<ul style="list-style-type: none"> • Modular configuration, communication, and I/O modules • Fieldbus support: Modbus TCP, Profibus, DeviceNet, and others • Analog output option: 4–20 mA or 0–10 VDC • Display: Panel mount—5.7-inch LCD color graphic touch screen • Maximum of 8 measurement channels • Power supply: 24 VDC, panel-mount version—optional 220/110 VAC • Stainless steel and stand-alone models are also available

Load Cells

Product	Description
<p>FMU</p> 	<p>Applications include all zones on paper, processing machines, and steel mills, as well as strip tension equipment.</p> <ul style="list-style-type: none"> • Measure exact resultant web tension force • Superior accuracy for heavy rolls with small wrap angles • Low profile—minimal change in line profile when retrofitting existing equipment • Units customized to fit existing applications—no reconstruction required

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