

Tire & Rubber Tension Control



Tension Control Specialists

Achieve More

When you need greater process consistency, higher product quality, and minimal to no downtime, you need Montalvo Tire & Rubber Tension Control Solutions. The curing process within rubber manufacturing is a critical time, where the liner/fabric is highly susceptible to defects if tension is not properly controlled. The unwind tension of the liner/fabric is a pivotal influence on the winding quality and ultimately the end product. Any inconsistencies in unwind tension will directly affect material quality.

Montalvo works with manufacturers throughout the rubber industry and has provided the tension control solutions and knowhow that allows them to Achieve More!



Drop In Solutions

Montalvo's Tire & Rubber Tension Control Solutions are designed to be drop in solutions for your machine, whether upgrading your existing equipment or building new equipment. Our components can fit within existing applications to UPGRADE or ADD tension control to your machine delivering a quick return on investment.

Tighter Process Control



Bagginess, wrinkles, variation, telescoping, and more as a result of poor liner tension control severely impacts the quality of the rubber material.

Automation for the Modern Era

Montalvo's Set It & Forget It Tension Control technology utilized for liner/fabric tension control reduces operator dependency for consistent high quality production from run to run and shift to shift.

Bring the latest tension control technology to your machines, improving the automation of your process, reducing operator interaction, and decreasing set up time through saved process parameters to make operation easier than ever.

Prevent & Solve Liner/Fabric Tension Related Problems

- ✓ Telescoped Rolls
- ✓ Width Variation/Necking
- ✓ Scrap
- ✓ Wrinkling
- ✓ Inconsistent Runs
- ✓ Winding Variations
- ✓ Operator Dependency

Built with Quality.

Closed Loop Tension Control

Montalvo's Closed Loop Tension Control Systems provide a continuous flow of communication between your load cells, controller and torque device making even the slightest changes to ensure tension is automatically and always, precisely where you set it. Our systems offer some of the most advanced functions and features while still being the easiest to set-up and operate, so you achieve maximum productivity and profitability from full roll to core, every single time.

Load Cells

Provide direct web tension measurement



Tension Brakes & Clutches

Provide torque output & control



Tension Controllers

Provide process control



Web Guides

Provide web edge control



Safety chucks

Provide safe, secure roll handling



Features

- ✓ Superior Signal Sensitivity
- ✓ Repeatable, Reliable Measurement
- ✓ Tension Indication - Know More About Your Process
- ✓ Direct Web Tension Feedback for Highly Precise, Accurate Control
- ✓ Smooth, Linear Torque from Full Roll to Core
- ✓ Full Range of Functions & Features to Maximize Productivity
- ✓ Multiple Styles, Models, and Packages to Meet Your Specific Requirements
- ✓ Easy to Install, Set-Up and Operate
- ✓ High Quality, High Performance, Long Service Life Products

Multiple Unwinds - No Variations

Precise control of each unwind in your process for maximum quality control.

EST. 1947

Built to Perform.

Open Loop Tension Control

Rubber manufacturing processes that cannot accommodate load cells, or require minimal to no roller contact, but still require automatic, precise, and accurate tension control require a Montalvo Open Loop Tension Control System. Montalvo is a pioneer in open loop tension control solutions since inventing the open loop controller and most recently launching the patent pending TSC Torque Sensing Control System.



TSC™ Torque Sensing Control System

For the first time ever in an open loop control system, you get a precise, reliable tension reference that operators can use to ensure consistent, high quality production runs. Automated, precise, high quality tension control without load cells or a dancer.

Get Results!

Closed Loop and Open Loop options decrease reliance on operator control, giving you automated, consistent, roll formation every time!

Features

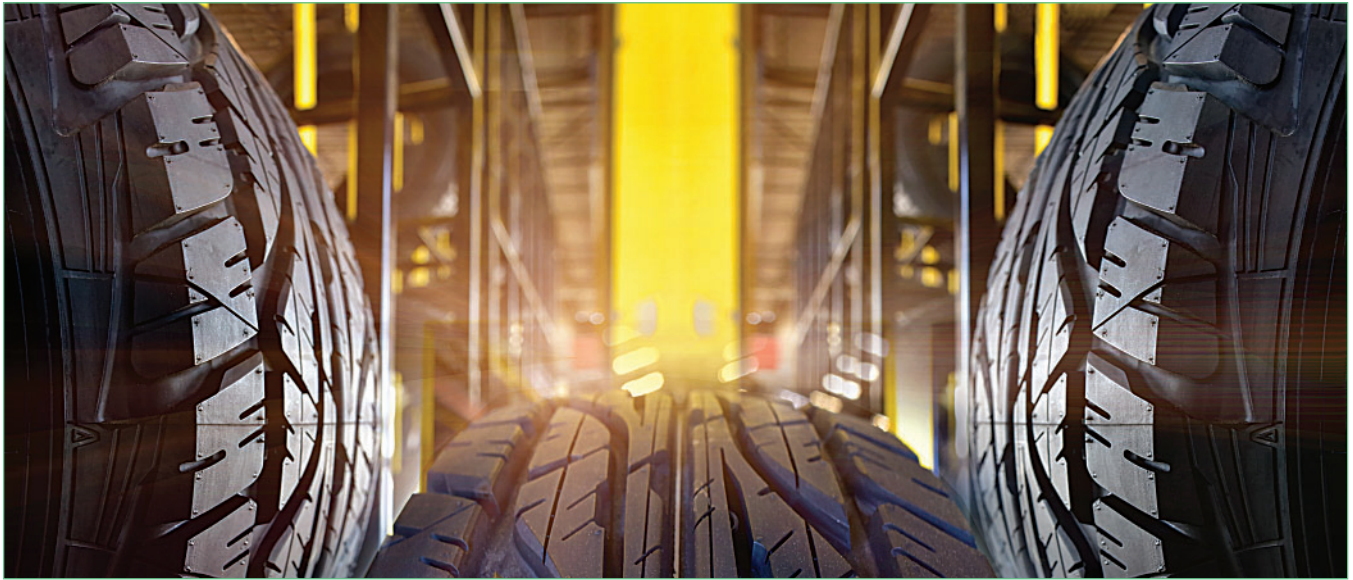
- ✓ Customizable System Packages
- ✓ Tension Indication - Know More About Your Process
- ✓ Easy Installation, Set Up & Operation
- ✓ Easily Upgrade Existing Machines
- ✓ Reduces Machine Build Cost
- ✓ Smooth, Precise, Repeatable Tension Control from Full Roll to Core
- ✓ Patent Pending Technology
- ✓ Full Range of Functions & Features to Maximize Productivity



Increase, Expand, Add

Tailored Upgrade Packages

Not every application is alike. Montalvo has worked with numerous Tire & Rubber manufacturers, each requiring its own specific tension control solution. With rising demands on quality and productivity, tire & rubber manufacturing machines need increased performance, expanded capability, and added functionality. For a fraction of the cost of a new machine, Montalvo makes your current machine run like new; giving you the productivity and profitability increases you require.



The Experience You Depend On

Montalvo has designed specific total tension control upgrade packages unique to the requirements of Tire & Rubber manufacturing. With years of experience upgrading various Tire & Rubber manufacturing machines improving liner/fabric tension control, Montalvo has both the technical expertise and the knowledge to deliver long term, cost effective, reliable results with a quick return on investment.

Complimentary Upgrade Assessment

Montalvo Applications Specialists are available to assess your application and will let you know what would be involved in completing an upgrade and what type of performance upgrades you can expect to achieve. Contact us today to learn more.

Here For You



B

BACK to BETTER WEB CONTROL

Things happen. And when they do, our first priority is to get you back up and running as quickly as possible. We want your machine running.

L

LOCAL ACCESS

In Person, Phone, E-mail, or Online. With four worldwide offices (USA, Germany, Denmark, China) and an authorized licensee & representative network throughout five continents, we give you the local dependability you rely on.

U

UNCOMPROMISING SERVICE & SUPPORT

Whether you have a single question, need a tension control consultation, require technical support or service, we are committed to you for the entire life of your Montalvo products and beyond. We are here for you.

E

EXPERTISE

Since 1947 Montalvo has differentiated itself by offering more than just high quality & high performance tension control products. We are your resource for the tension control expertise required to expand the capabilities of your machinery & production line.

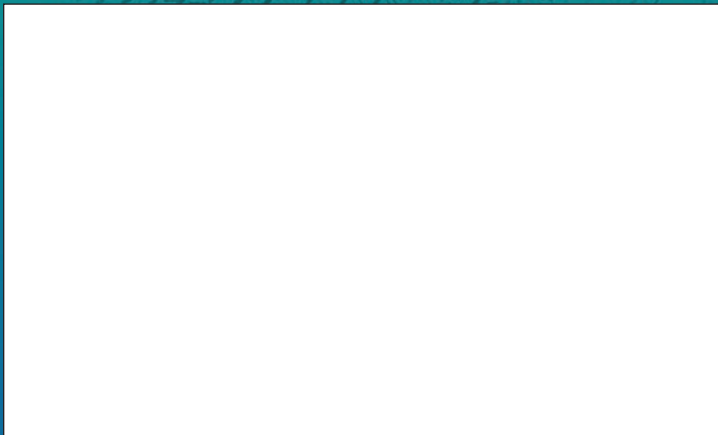
**THE STANDARD FOR
RELIABILITY - DEPENDABILITY - PERFORMANCE**

YOU CAN HAVE IT ALL!

Reliable, Repeatable, Consistent, High Quality Results

These are the pillars of Montalvo's automated tension control systems. Whether it be new printed electronic equipment or upgrading the tension control components of your existing machine, our components give you the productivity increases you require.

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Better Web Control®