

Wire & Cable Tension Control

EST. 1947

montalvo

Better Web Control®

TENSION CONTROL SPECIALISTS

Achieve More

The demand on wire and cable manufacturers is ever changing, and that demand is requiring manufacturers to do more with their existing machines, receive more information about their process, increase automation, reduce scrap, and increase productivity. From running multiple types of material on the same machine to running thinner and thinner materials, wire and cable manufacturers need to be able to Achieve More.

Adding or upgrading the web tension control components of your machine is often the exact solution required to meet and exceed that ever changing demand while increasing end product quality, and expanding your machine's capabilities.

Achieve More!

Expand Machine Capabilities

Run Various Materials on One Machine

Record Process Run/Material Data

Increase Automation

Improve End Product Quality

Increase Productivity & Consistency

Achieve Faster Production Speeds

Reduce Waste

Decrease Downtime

Easier Operator Set Up

Reduce Set Up Time

Do It All on One Machine

Automation for the Modern Era

Often we find wire and cable machines have minimal or outdated tension control components and are experiencing a variety of process challenges affecting their end product quality and ability to meet changing demands. This results in operators continually having to make adjustments throughout the production run. The consequences of this are inconsistent end product, lower quality end product, lower productivity, and lack of process knowledge.

Montalvo's web tension control solutions bring the latest tension control technology to the wire and cable industry, automating the process and reducing operator interaction, while decreasing set up time through saved process parameters and making operation easier than ever.



Prevent & Solve Tension Related Problems

- ✓ Stretching/Necking
- ✓ Poorly Traversed Rolls
- ✓ Waste
- ✓ Wire/Line Breaks
- ✓ Slow Set Up Times
- ✓ Inability to Run Consistently to the Core
- ✓ Poor/Inconsistent "Jacketing"
- ✓ Inconsistent Die Process Control

Drop In Solutions

Montalvo's wire and cable tension controls are designed to be drop in solutions for your machine. No need to invest in completely new machinery. Our equipment can fit within existing applications to UPGRADE or ADD tension control to your machine delivering a quick return on investment.

Built with Quality. Built to Perform.

Wire and cable manufacturing machines require high quality tension control components to ensure automated production, wider operating ranges, and better process control and knowledge, all while being easy to install, set-up and operate. Montalvo manufactures the high quality, high performance tension control components you rely on to achieve more!

Closed Loop Tension Control Solutions

Create a continuous, automated, easy to operate system with direct tension measurement from your web of material to maintain precise tension 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



Features

- ✓ Superior Signal Sensitivity
- ✓ Repeatable, Reliable Measurement
- ✓ Tension Indication - Know More About Your Process
- ✓ Direct Web Tension Feedback
- ✓ 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

Exclusive Dancer Control

Controllers and sensors with unique functions designed specifically for applications utilizing dancer or rider arms.

TSC™ Torque Sensing Control System (Open Loop)

Automated, precise, high quality tension control without load cells or a dancer. 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. Performance, convenience, and productivity delivered.



TSC™ is Ideal for . . .

- ▶ When the machine cannot accommodate load cells or retrofits (space limitations for additional rollers or wrap angles, costs, etc.)
- ▶ When you are running multiple materials and the minimum or maximum tensions are outside of the load cells range.
- ▶ Where there is no defined web path or web is traveling directly from unwind roll into the process.
- ▶ An existing open-loop system, but want to improve consistency and quality of your production while reducing waste.

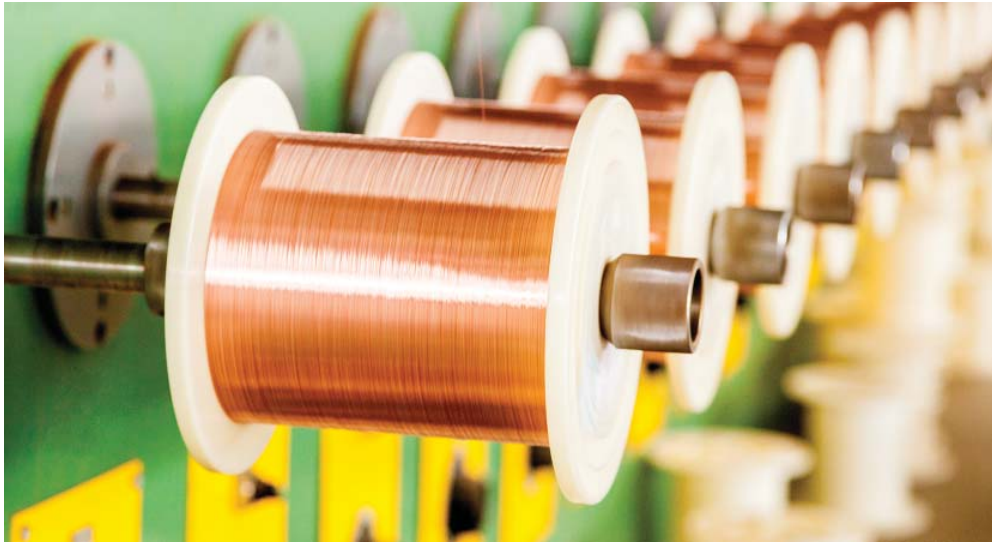
Features

- ✓ 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

In order to compete with today's new machines, older machines need increased performance, expanded capability, and added functionality. Typically, all the benefits of a new machine can be achieved through a strategic upgrade of the tension control components of your existing machine. 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 wire and cable manufacturing. With years of experience upgrading various wire and cable machines, 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



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.



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.



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.



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 narrow wire/cable equipment or upgrading the tension control components of your existing machine, our components give you the productivity increases you require.

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