

NONWOVENS Tension Control



TENSION CONTROL SPECIALISTS

Achieve More

As the demand and applications for nonwovens continues to rapidly expand, so too does the demand on nonwovens manufactures to produce faster, with greater consistency, and with increased quality. High quality tension control components are critical in order to achieve these goals, and are often the difference between profit and scrap.

Whether utilized on the windup, bonding, drying, finishing or converting (laminating, slitting, sheeting, coating, etc) process, Montalvo manufactures a wide range of high quality, high performance tension control components to maximize your process capability within any tension zone.

Montalvo delivers the quality, performance, consistency, and reliability you require to achieve more!

Achieve More!

- Improve End Product Quality
- Improve End Product Consistency
- Reduce Waste
- Achieve Faster Production Speeds
- Expand Machine Capabilities
- Decrease Downtime
- Reduce Set Up Time
- Easier Operator Set Up & Maintenance

Automated Tension Control

Quality and Consistency

The results you require, every single time. Montalvo's automated tension control systems feature saved process parameters, and "Set it and Forget it" technology to make set-up and operation easier than ever, minimizing operator interaction to produce the same high quality results from run to run and shift to shift.

Operators simply need to pull up the process, put the controller in "Auto" and then start the production run.

Montalvo tension control systems maximize your end product quality, and increase your process and product consistency, while solving any tension control related problems you may have.



Prevent & Solve Tension Related Problems

- ✓ Sheet Length Variation
- ✓ Waste
- ✓ Web Breaks
- ✓ Stretching/Separating
- ✓ Poorly Wound Rolls
- ✓ Telescoping
- ✓ Delamination
- ✓ Registration Errors

Drop In Solutions

Montalvo's nonwovens 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

Nonwovens manufacturing requires high quality tension control components to ensure maximum precision, higher quality, and higher consistency, all while being easy to install, set-up and operate.

Montalvo has the high quality, high performance tension control components you rely on to achieve more!

Clean Room Compatible

We offer a full range of tension control products ideal for clean room manufacturing.



Open Loop Tension Control

Nonwoven manufacturing processes that require minimal or no roller contact, but still require automatic, precise, and accurate tension control require a Montalvo Open Loop Tension Control System. We are a pioneer in open loop tension control solutions since the initial introduction of our dedicated open loop control systems 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.

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

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 corrections 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 Controllers

Provide process control



Tension Brakes & Clutches

Provide torque output & control



Web Guides

Provide web edge control



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

Exclusive Dancer Control

Controllers and sensors with unique functions designed specifically for applications utilizing dancer assemblies.

Increase, Expand, Add

Effectively Compete with New Machines

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 nonwoven manufacturing. With years of experience upgrading various nonwoven 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



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**

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ACHIEVE MORE!

Contact a Nonwovens Tension Control Specialist today!

In order to compete with today's new machines,
older machines need...

*Increased Performance,
Expanded Capabilities &
Added Functionality*

Typically, many the benefits of a new machine can be achieved through a strategic upgrade of the tension control components of your older machine. For a fraction of the cost of a new machine, Montalvo makes your older machine, run like new, and gives you the productivity increases you require.

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Better Web Control®