

MARK ANDY PRESS UPGRADES



EST. 1947

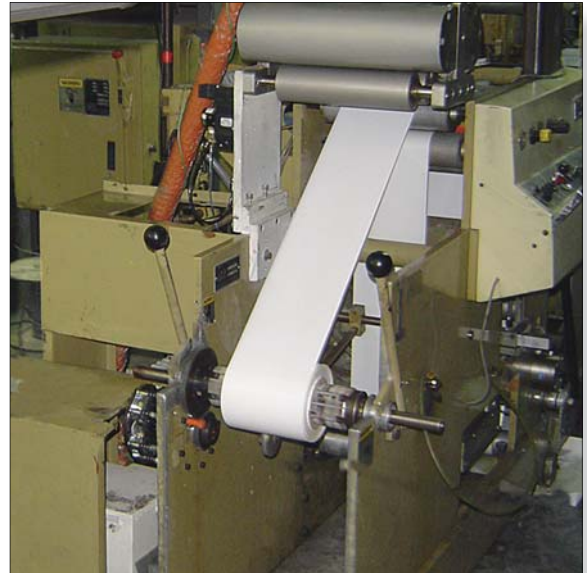
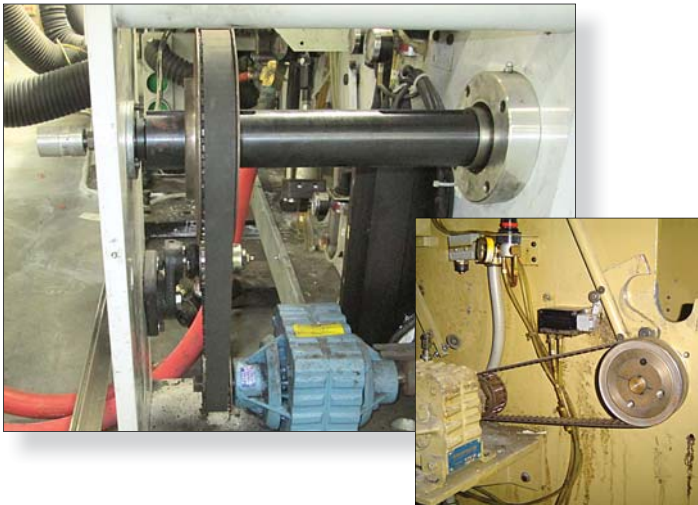
montalvo

Better Web Control®

INCREASE, EXPAND & ADD

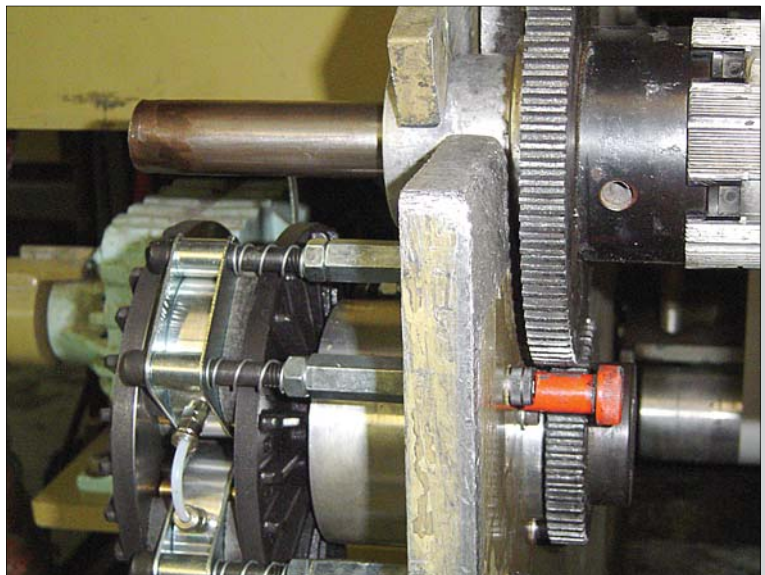
Stay Competitive

In order to compete with today's new machines, older machines need increased performance, expanded capabilities 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 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 and profitability increases you require.



Solve and Prevent Tension Control Problems*

- * Registration Variation
- * Web Width Variations
- * Waste
- * Stretching
- * Web Tracking
- * Curling
- * Baggy Edges
- * Web Breaks



Upgrade Packages Include

Load Cell
Tension Controller
Tension Unwind Brake
I/P Converter
Tension Meter*
PDA*

*not required for all upgrades



The Experience You Depend On

Montalvo has designed a specific total tension control upgrade package unique to the requirements of Mark Andy presses. With years of experience upgrading various Mark Andy presses, Montalvo has both the technical expertise and the knowledge to create a cost effective, reliable, and quick return on investment upgrade for your Mark Andy press.

Mark Andy Upgrade Packages Available For These Presses

4120

4150

2100

2200

and more ...

It's All About Results

- Decrease waste
- Improve product quality
- Increase line speed
- Increase profitability
- Easier operator set-up and operation
- Decrease machine maintenance downtime
- Increase machine flexibility to run multiple materials and lighter substrates
- Extends machine service life
- Fast and easy installation

THREE EASY STEPS

1

Step One - Replace brake with a Montalvo brake

- ✓ Remove existing mag particle brake, belt, shaft wheel, and hub
- ✓ Drill & tap module standoffs then mount brake and modules
- ✓ Install I/P Converter, plumb brake and connect air supply

Note: On MA-2200 hold back brake will also need to be disengaged.



Montalvo CS Series
Compact Dual Disc Brake



Montalvo MPC-4
I/P Converter

Existing magnetic particle brakes may create excessive tension, limiting the materials that can be run and limiting the ability to run unwind rolls to the core. Even with ZERO volts applied to the brake there is still substantial friction on the unwind. To eliminate the residual friction, while increasing tension control, precision and material versatility, Montalvo C Series Tension Brakes are designed to easily replace the existing brake.

Results

Precise Tension Control

Montalvo brakes give you a wider torque range and more precise control, producing the exact tension your application demands.

Wider Torque Range

Increase the capabilities of your press by being able to run a greater variety of materials while achieving precise tension control.

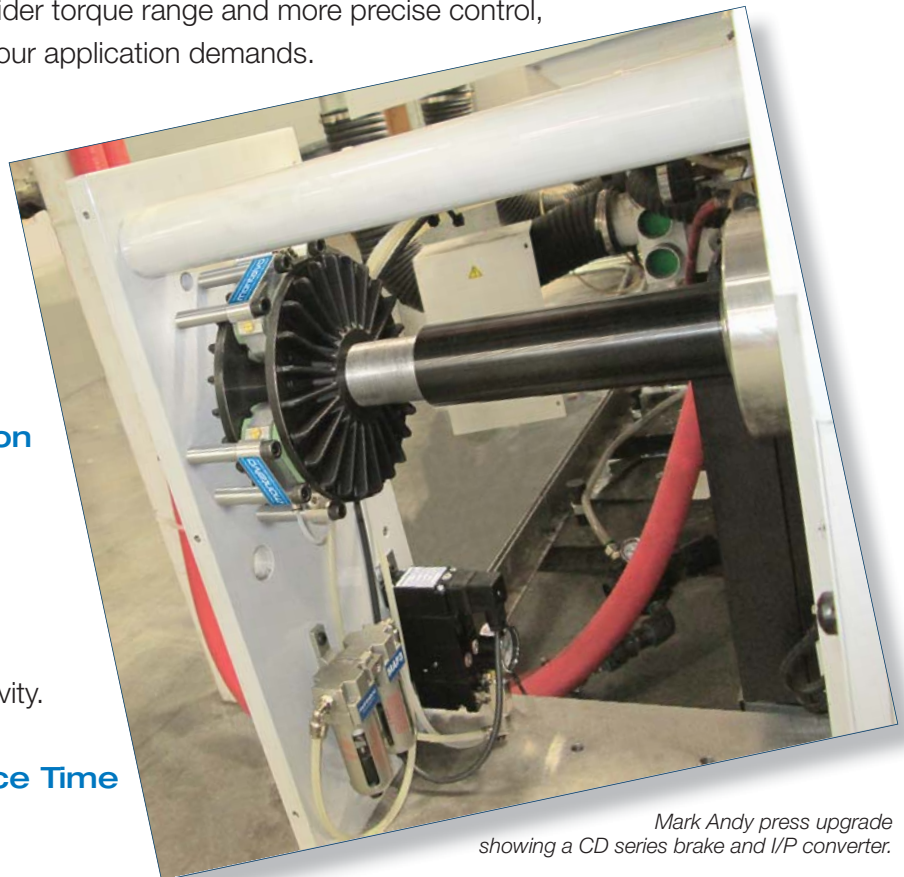
Greater Heat Dissipation

Extends the service life of your pads, your brake and your application.

Increased Line Speed

Achieve even greater productivity.

Decreased Maintenance Time



Mark Andy press upgrade showing a CD series brake and I/P converter.

Step Two - Replace dancer with Montalvo load cells

- ✓ Remove existing idler roll
- ✓ Drop in load cell roll replacement
- ✓ Web material to bypass dancer and utilize the load cell roll



Montalvo TNT
Tension Sensing Roller

The Montalvo brake you just installed eliminates tension upsets the dancer is meant to correct. The existing dancer also does not provide actual tension feedback from the material you are running. By replacing one of the existing idler rollers on your press with a Montalvo TNT or LCR load cell roller assembly, you can bypass the dancer and receive continuous feedback of actual tension from your material, upgrading the performance of your press

Results

Increased End Product Quality

Feedback from the load cells keeps your material continually at the precise tension level required, ensuring your end product is always of the highest quality

Decreased Waste

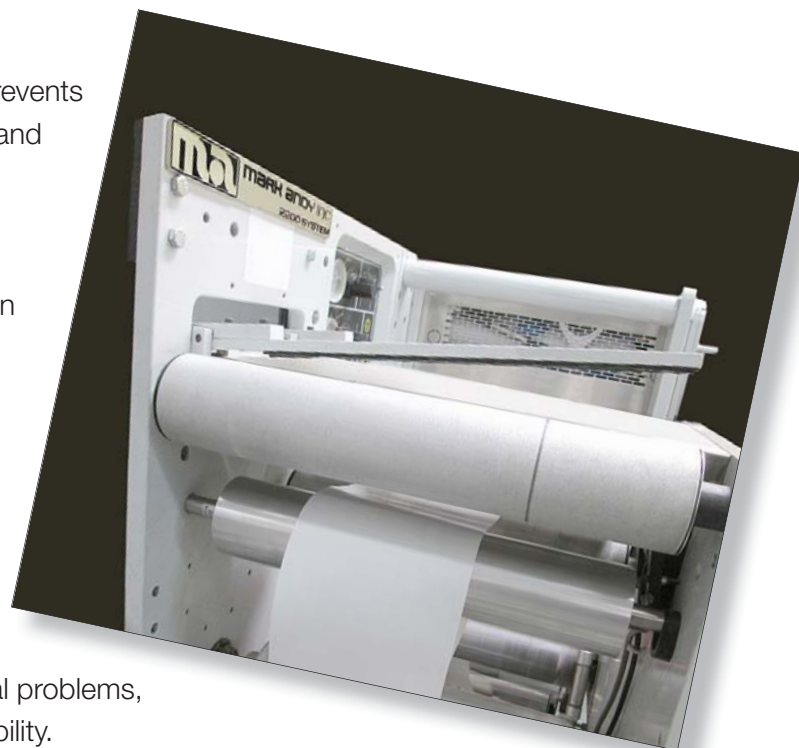
Consistent and accurate tension feedback prevents any web disturbances giving you less waste and a more profitable roll

Sensitivity

Load cells sensitive to the slightest changes in tension allow your tension controller to take even minimal corrective action ensuring your tension is always being precisely controlled.

Continuous Feedback

Instantaneous and continuous tension feedback to the tension controller keeps your entire system in communication throughout your process, eliminating potential problems, increasing productivity and increasing profitability.



Mark Andy press upgrade
showing a TNT Tension Sensing Roller.

THREE EASY STEPS

3

Step 3 - Add a Montalvo controller

- ✓ Mount tension controller
- ✓ Connect load cells, I/P converter and power to controller
- ✓ Connect PDA valve system if applicable



Montalvo S4
Digital Tension Controller



Montalvo M4
Analog Tension Meter

With the new load cell and braking system installed, the controller utilizes feedback from the load cells to determine the tension of the web. It then controls output to the brake to precisely maintain the programmed tension level. Montalvo tension controllers create a unified, closed loop system of continuous feedback and process control with a full range of features and functions such as web break detection, soft-start, anti-coast, and more.

Results

Easy Operation

An intuitive interface, a material set up walkthrough and easy to read display make Montalvo controllers a premier choice for machine operators.

Reduced Set Up Time

Multiple stored material settings get you up and running faster with quick recall.

Increased Machine Capability

Run various materials, or various tension levels all controlled from a singular unit. Combined with Montalvo brakes and load cell, gives you a wider operating range so your machine can do more and achieve more.



Mark Andy press upgrade showing a Montalvo Tension Controller and optional Montalvo M4 analog tension meter

Continuous Production with Increased Productivity & Reduced Waste

Montalvo controllers keep you in production faster and for longer. With a full range of features and functions your press will be more efficient, more productive, and more profitable.

Complete Mark Andy 2200 Press Upgrade

- ✓ **TNT** Load Cell Roll
- ✓ **S4** Tension Controller and **M4** Tension Meter
- ✓ **CD 130** Compact Disk Brake and **PDA**



ACHIEVE MORE!

Contact a Mark Andy Upgrade 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.

The Montalvo Corporation

50 Hutcherson Drive
Gorham, Maine 04038 USA
1-800-226-8710
Tel: +1-207-856-2501
info@montalvo.com

Asia

Room 805 Forte Time Plaza
No. 898, QuYang Road
Shanghai, China 200437
Tel: +86-21-61401822
info.cn@montalvo.com

Europe

Jeppe Aakjærs Vej 18
DK-8700 Horsens
Denmark
Tel: +45 75 57 27 11
info.eu@montalvo.com

Germany

Mailänder Strasse 2
D-30539 Hannover
Germany
Tel: +49 (0)511 760 691 41
info.de@montalvo.com