MODULAR WEB SOLUTIONS

SOLUTIONS FOR WEB
HANDLING, FINISHING
AND CONVERTING

SHAW-BOX
CAP 30 TON

CUSTOM PROCESS LINES AND MODULES

- Unwinds and Rewinds
- Calendars and Nips
- Accumulators
- Air Turn Bars
- Heating and Cooling
- Coaters
- Laminators
- Controls and Automation

ENGINEERED AND ASSEMBLED BY ONE TEAM

Mechanical Engineering | Controls Engineering | Manufacturing and Assembly

CUSTOM PROCESS LINES OR MODULES

Modular Web Solutions has an extensive background in producing complete lines and custom modules for a wide variety of industries and applications. We engineer, design, and build the equipment that can make manufacturing more profitable.

Our specialty is the design and manufacture of customized lines or modules to meet and exceed your needs.

ENGINEERED AND MANUFACTURED BY
MODULAR WEB SOLUTIONS
N1009 CRAFTSMEN DRIVE
GREENVILLE, WI 54942
www.modularwebsolutions.com
SHIP DATE
MACHINE NUMBER

A TIGHT-KNIT TEAM SOLVING CHALLENGES

MWS Engineers average 25+ years work experience. Once a core engineering team is assigned to a project, they stay with it through all phases. From concept, design, manufacturing, machine build, wiring, programming, factory acceptance and start up; the same team is with you every step of the way.

We have the ability to scale based upon your project needs. Combining the strengths of Webex Machines, PFE and Magnat Fairview, we relocated to our current facility in Greenville, Wisconsin in 2014 and created a manufacturing environment to foster collaboration and support precision in every aspect of the build. Today, our state-of-the-art manufacturing space is expandable to 96,000 square feet.

25+
YEARS
AVERAGE EXPERIENCE

1
TEAM
FROM START TO FINISH

UP TO
96,000
SQ FT OF
MANUFACTURING SPACE

MORE PROFITABLE PRODUCTION

What sets us apart is our ability to control the design and manufacturing from initial scope to factory acceptance. Mechanical and Electrical Engineers, Project Managers, and Assembly teams design state-of-the-art machinery in a facility that can scale to meet your most challenging applications.

WE THRIVE ON CHALLENGE

Our solutions are built to your exact specifications, with innovative mechanical engineering and controls designed in-house.

Because we are able to manufacture, assemble and test in a single facility, we offer an unrivaled ability to control the manufacturing and assembly process.

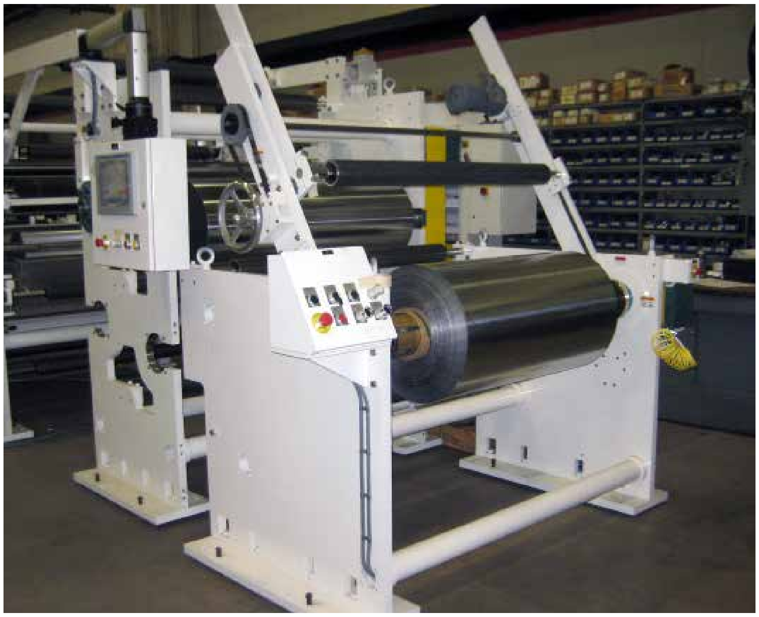
This also allows us to be very responsive to our customers and provides a one-stop-shop from initial concept through successful implementation.

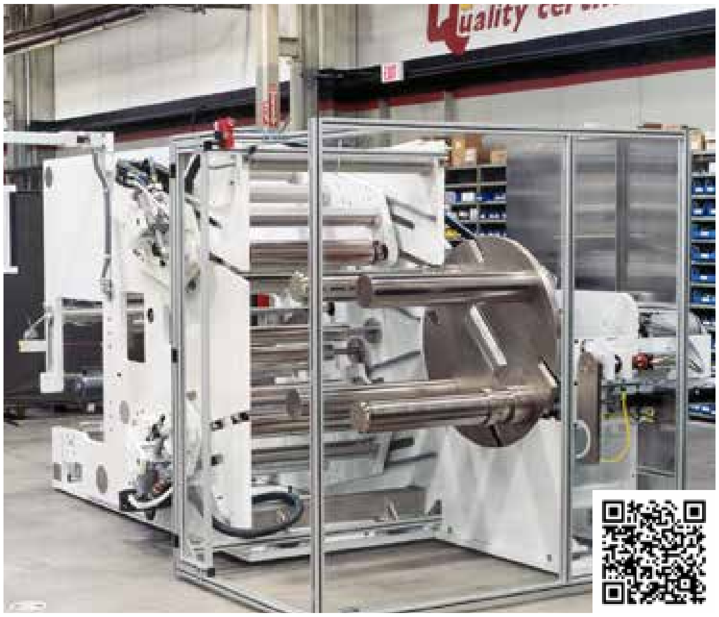
> **“Our teams shine when faced with a tough challenge. We are the perfect blend of responsiveness and focus to help our customers accomplish their goals.”**
>
> Ryan Mathison, MWS Site Manager

UNWINDS AND REWINDS

We've built custom unwinders and rewinders for all types of applications; from relatively simple unwind and rewind stands to complex turrets. We can accommodate options for shafted or shaftless operation, web guiding, automatic cut and transfer, and lay-on/pack rolls to align with your needs.

With our extensive engineering expertise, we can accommodate any unwind or rewind application regardless of roll size, line speed, continuous feed, or other web handling needs to meet your productivity goals.





CALENDERS AND NIPS

When it comes to calenders or nips, Modular Web Solutions engineers can address any load or pressure requirement, meet any roll or web specification, provide any type of precision gap control using hydraulics, pneumatics or electro-mechanical systems.

CONTROLS AND AUTOMATION

Modular Web Solutions designs controls systems in any platform or scale to meet your needs; no job is too big or to small. Drives, controls, and HMI from any manufacturer can be implemented into your machine.

- We design and build our electrical panels to meet UL and CE certification if required.
- Our designs incorporate hardware and software systems to achieve precision tension control utilizing load cell feedback and/or dancer control to accurately regulate tension in your web.
- Our engineers have extensive experience integrating third party systems including process equipment, such as robotics, into machinery.

WEB PATH MANAGEMENT

ACCUMULATORS

Non-stop converting requires precise web accumulation. It takes expert engineering to maintain exacting web tension while providing integrated response to processes upstream and downstream of critical processes. Our ability to marry precision web handling with integrated control technology gives us a unique advantage.

AIR TURNS

Modular Web Solutions offers low drag Air Turn Bars to turn the web 90°, opposite side up, 90° same side up, reverse direction- same side up, same direction-opposite side up, vertical or horizontal arrangement and offset web. Our air turn bars fit above or below other machinery, minimizing any need for additional machine length.

- No tension limitations. Standard roll construction allows for use in mid-to high-tension applications. Special designs are also available for low-tension applications.
- No speed limitations. Our air turn bars can be engineered to operate within any speed range
- Easy installation. Many units can be assembled and aligned before shipping, minimizing equipment downtime. Simply bolt them down and you're ready to operate.

TEMPERATURE AND COATING CONTROL

HEATING AND COOLING

The science of heat transfer is at the core of our technical expertise. Proprietary software helps us determine exact roll sizing and stand design to achieve heating or cooling within ±1° F. In addition, we can deliver a complete solution, including plumbing,drives, heating/cooling systems and integrated controls.

COATERS AND LAMINATORS

Our custom Coater and Laminator sections have been engineered to meet some of the industry's most unique applications. Whether it's precise gap control, single or multiple station, low tension or high speed, Modular Web Solutions can design and build a laminating solution tailored to your exact process needs.

MODULAR WEB SOLUTIONS

WWW.MODULARWEBSOLUTIONS.COM

CUSTOM MODULES ENGINEERED TO RUN A WIDE RANGE OF MATERIALS

Paper and Board
Films / Plastics
Tissues

Fabrics
Nonwovens
Foils

Felts
Asphalts
Rubbers

Composites
Food Products
Metals

CONTACT US TO SOLVE YOUR CHALLENGE.

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