

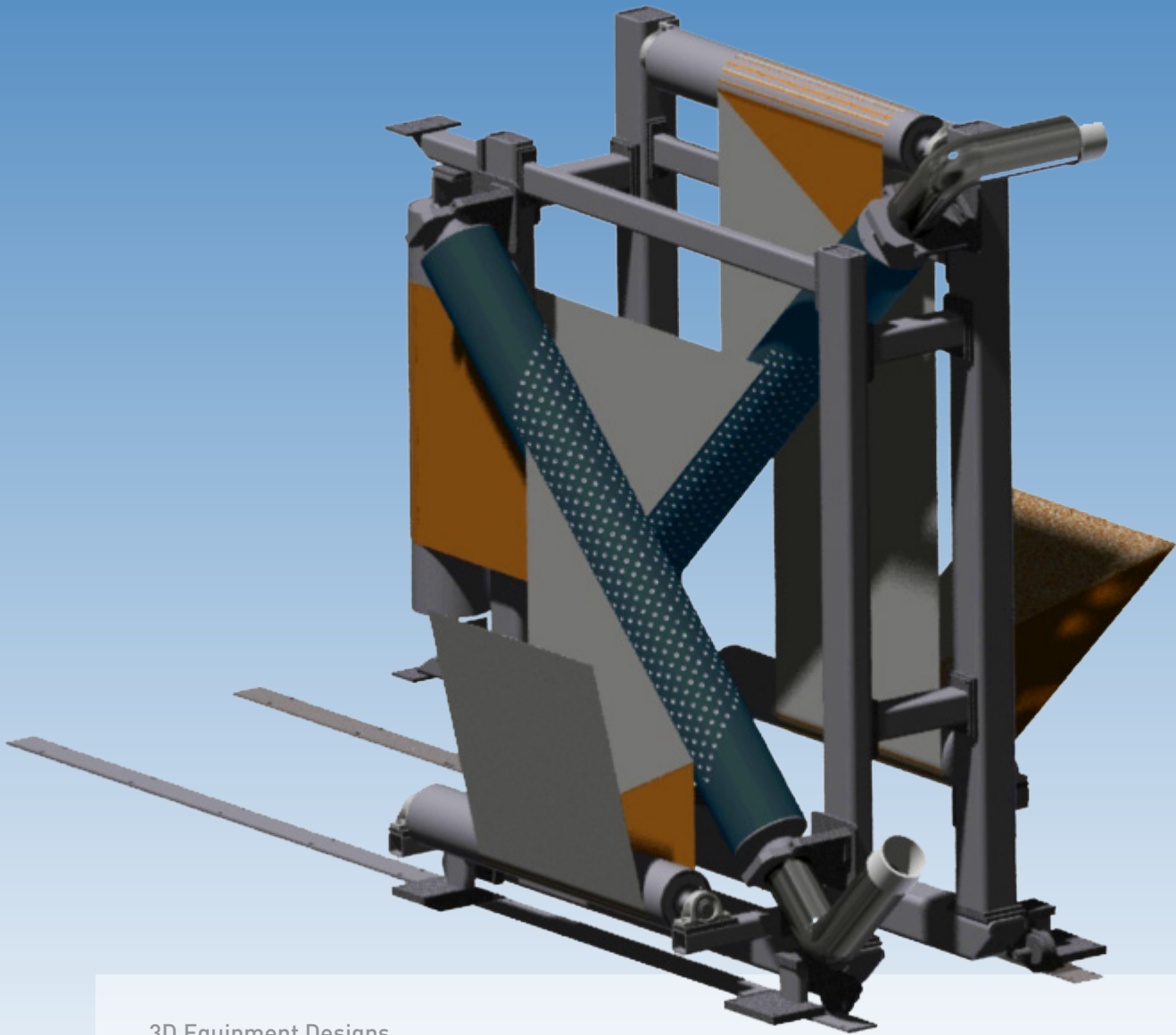
**NEW
ERA**

235 McLean Blvd. Paterson, NJ 07504

P: (201) 670-4848 F: (201) 670-8867

neweraconverting.com

TECHNOLOGY

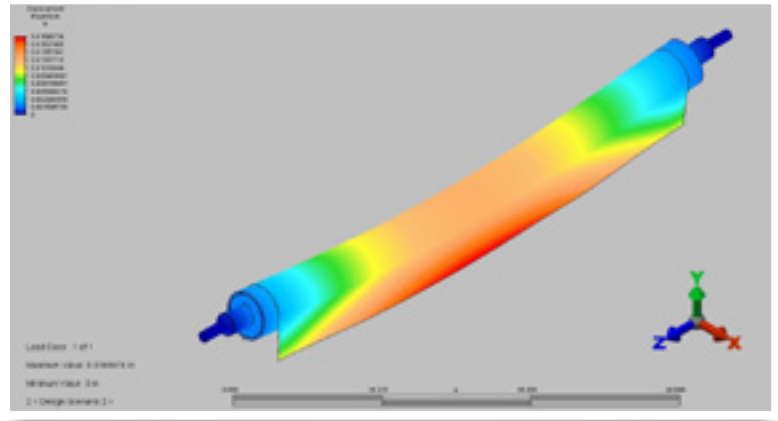


3D Equipment Designs

NEW ERA Technology

At New Era, we've made a commitment to aid our customers in testing their new products in order to develop and integrate the latest technology into their processes.

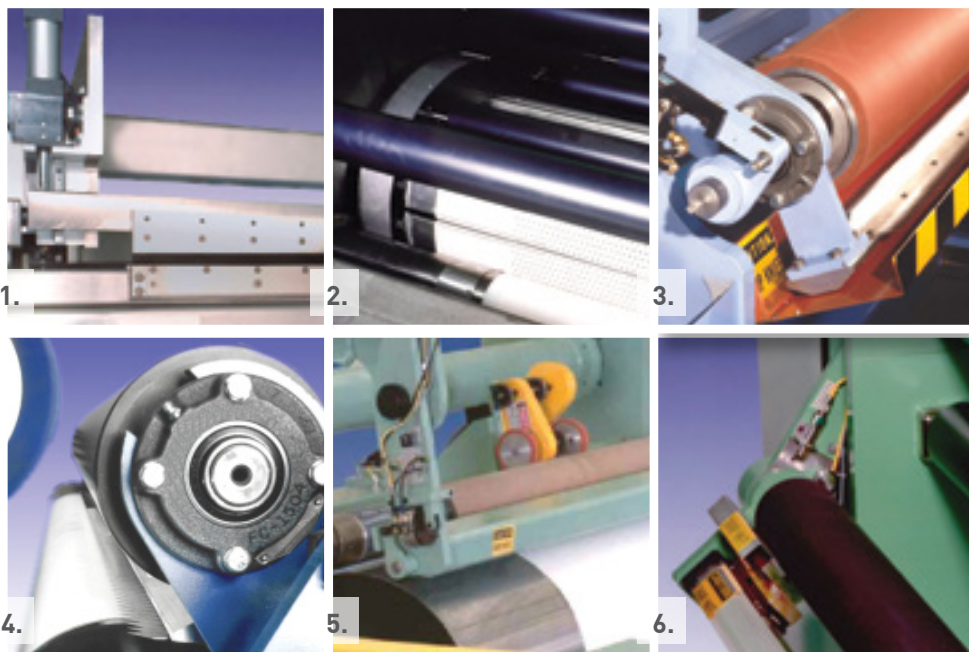
Autodesk Simulation software, a Finite Element Analysis (FEA) program, allows New Era Converting Machinery to integrate mechanical, structural and thermal simulation tools into our design process to help us predict performance, optimize designs and validate our design decisions.



Unwind/Winder Test Stand

In an ever-changing marketplace, new materials and products are constantly being developed. The handling of these webs is a continuous challenge. In particular, the ability to cut, splice and transfer these webs requires rigorous testing. New Era is committed to working with customers to deliver the latest technology available. Our Unwind/Winder Test Stand is designed for just this purpose.

Capable of running webs at up to 1000 fpm and 80" wide, this system can be used to test burst, shear, traversing, and various other cutoff and transfer systems including New Era's patented zero fold over Carousel Winder and a patent pending TFT (Tail Free Transfer) Winder. The system is interfaced with our high-speed digital camera to enhance analysis of the material handling.



1. Flying Shear Cut-Off System
2. Patented Zero Fold Over Carousel Winder
3. Rupture (Burst) Type Cut-off & Transfer System
4. Tapeless Winder Cut & Transfer System
5. Surface Winder with Automatic Cut & Transfer System
6. Traversing Shear Cut-off System

Pilot Line Facilities

Our Pilot Line Facility is designed to allow testing of webs under a variety of coating, drying, and laminating conditions. The facility includes the following capabilities:

General Specifications:

Maximum Web Width = 24"

Process Speeds = 5-1000 fpm

Maximum Roll Diameter = 30" / 3" or 6" cores

Coating Capabilities:

Solvent Based, Aqueous, 100% Solids

Coating Methodologies:

Direct / Reverse Gravure

Differential / Reverse Offset Gravure

Forward / Reverse Roll Coating

Knife over Roll

Kiss Coat with Post Application Metering

Die Coating

Spray Coating

Dip Coating

4 or 5 Roll Transfer Roll Coating

Drying / Curing Capabilities:

24', 3 Zone, Gas Fired, Air Flootation, Dryer

Maximum Temperature 500 Degrees Fahrenheit

Multiple Nozzle Configuration

UV Curing Lamps



Laminating Capabilities:

Wet and Dry Bond Lamination

Temperature Controlled Laminating Roll

Web Transport Capabilities:

Servo Drives for Maximum Flexibility in

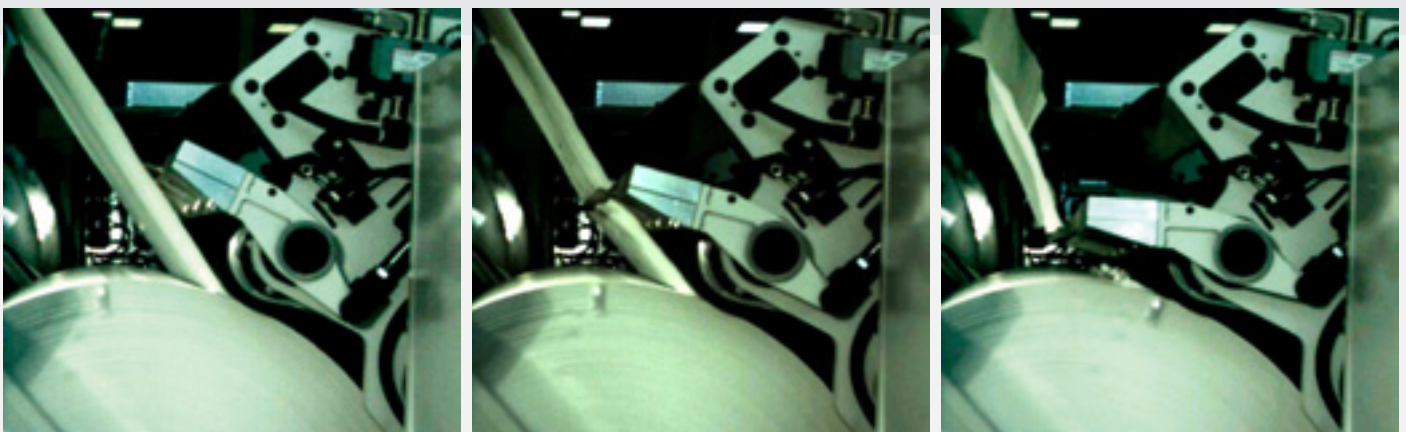
Process Speed and Tension Control

Web Tension Control .1 to 2.0 PLI

Automatic Edge Guide at

Unwind / Winder and Dryer Exit

The Pilot Line's state of the art drive and control system allows for maximized flexibility of the system. Its modular coater enables reconfiguration in order to facilitate custom applications in addition to those listed above. Additionally, our experienced Process Technicians are available to assist in all aspects of the trials.



High-speed digital images of an Unwind Cut and Transfer Test

We are **NEW ERA**

New Era Converting Machinery is a world leader in processing equipment for the web converting industry. Conveniently located in a 48,000 square foot facility in Northern New Jersey, New Era offers a wide variety of web converting equipment including: unwinds, winders, coaters, laminators, embossers, dryers, drive and control systems, roll handling equipment and web handling systems. From simple components and sections to fully integrated high-speed automatic process lines and systems, New Era can engineer a solution to meet your requirements.

New Era's customer driven approach to equipment engineering and design allows users to obtain systems that are tailored to their needs. Our Process and Design expertise allows us to tackle even the most challenging applications in an efficient, cost-effective manner. Demanding practices are employed in the manufacturing, assembly and testing of every piece of equipment we provide.

New Era is committed to incorporating cutting-edge technology into its products. We maintain a fully operational, highly flexible Pilot Line Facility as well as a production scale Unwind/Winder Test Stand System, allowing us to work with our customers in developing new equipment and processes. Several of our Patents have assisted customers in meeting their needs.

New Era offers complete Turnkey Services for all of its products. Our experienced staff can provide these services around the world in a professional, timely fashion.

No matter how small or how large your needs are, look to New Era to provide you with a solution engineered for maximized productivity.

