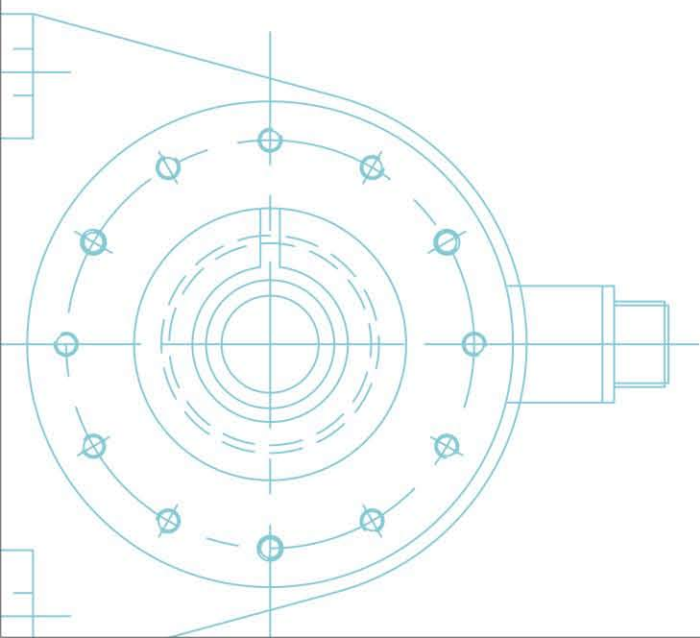
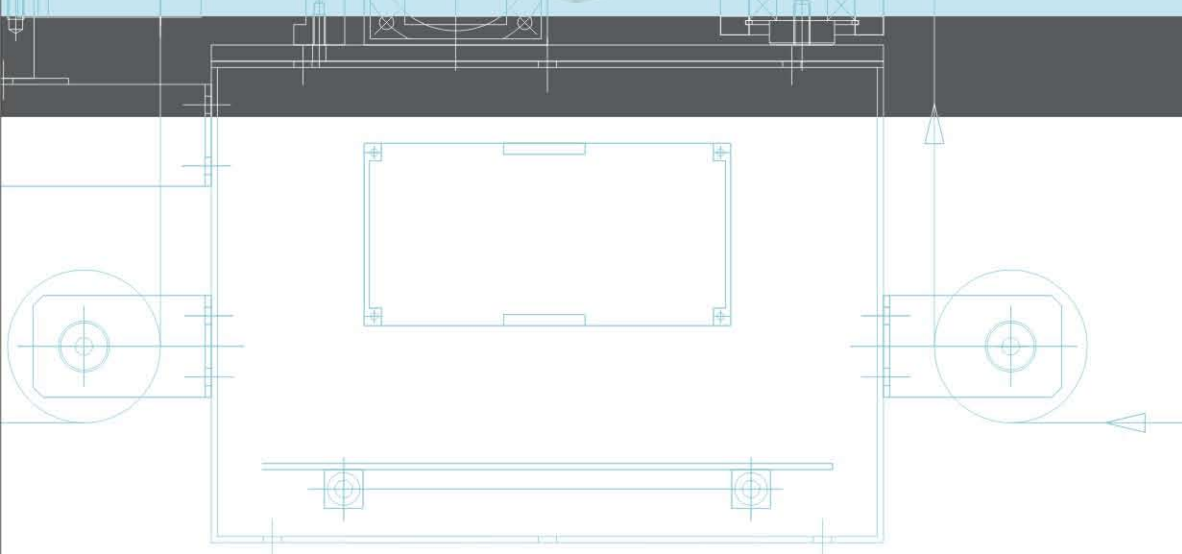
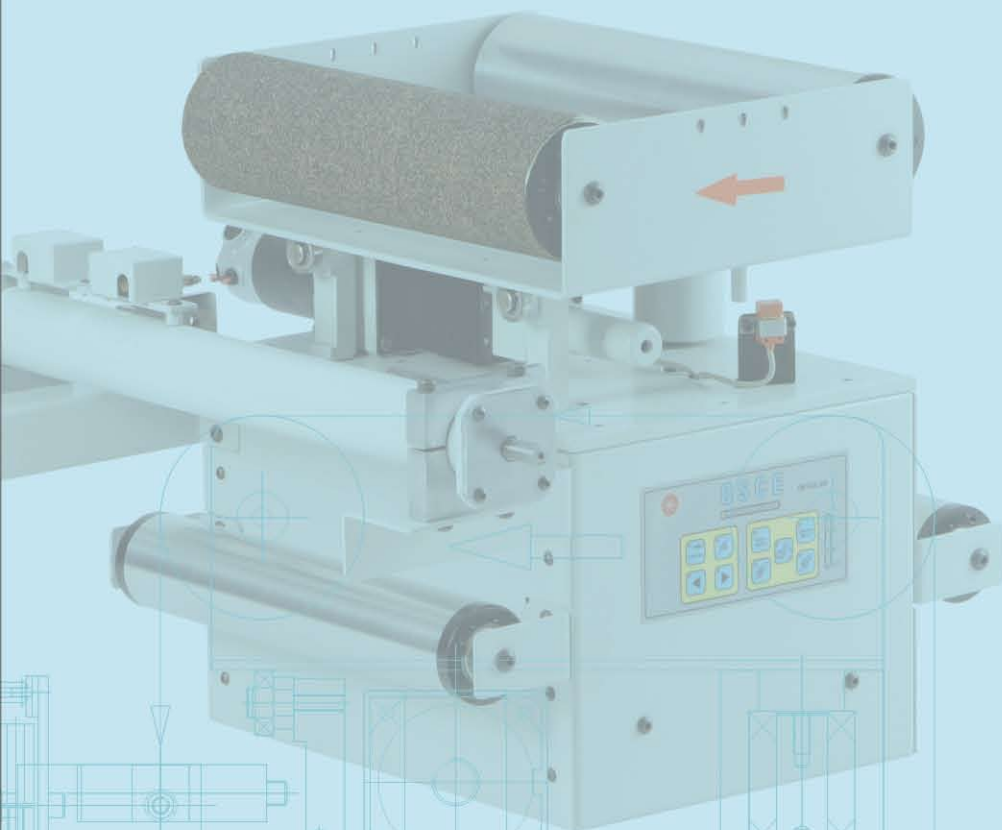




OM SUNTRONICS
Converting Equipments



web guiding and
tension control



web guiding system

Defining accuracy with cutting edge technology

OM SUNTRONICS is pioneering Indian company providing Digital Web Guiding Solution to industry. OM SUNTRONICS has continued to engineer & develop latest technology in Web Guiding & Web Tension Control.

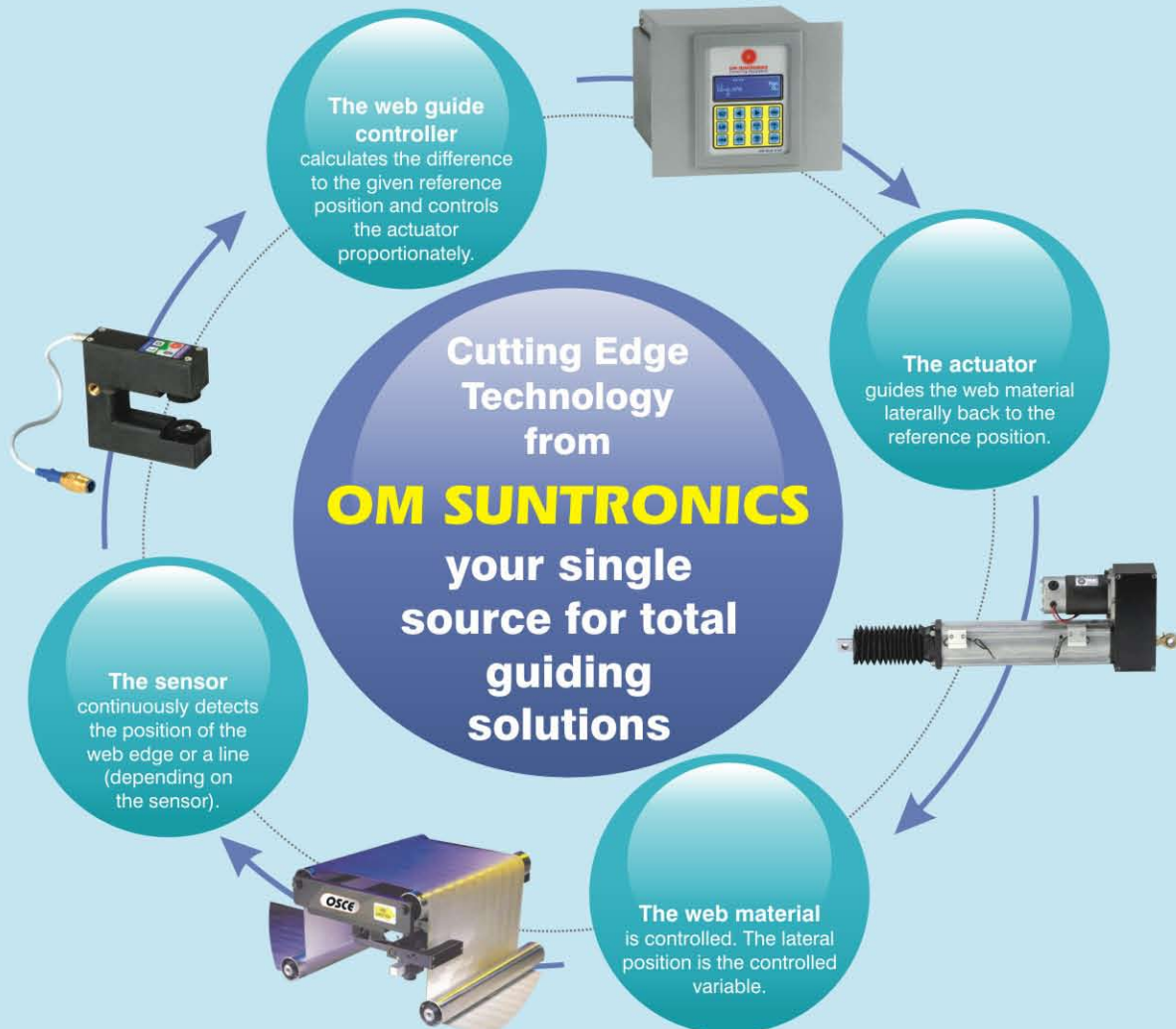
The dedicated team of OM SUNTRONICS has created history in Web Guiding & Web Tension Control in the industry by providing the Complete Solution and best Service back up.

Today, OM SUNTRONICS has become preferred solution provider for Machine Makers and End Users for all their Web Processing Application.

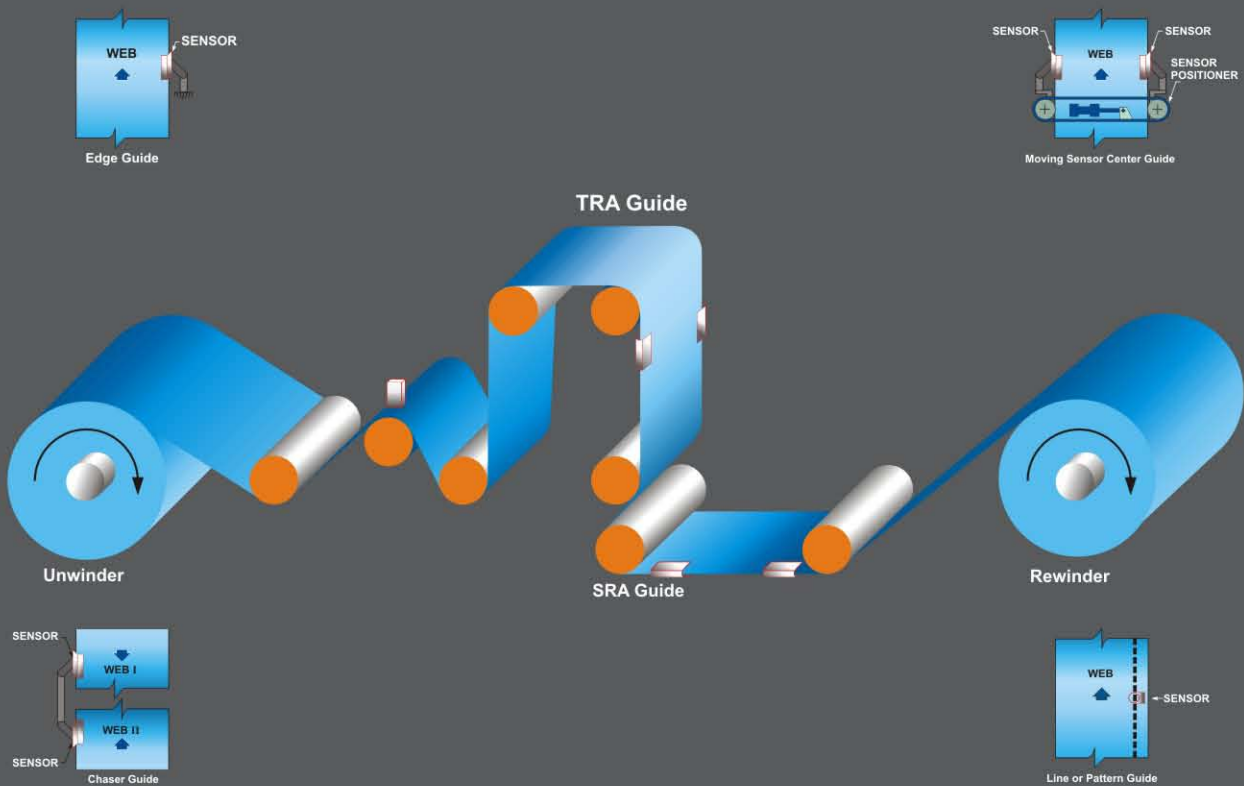
Guiding Solutions

We can guide thinnest Plastic film to the thickest Metal strip, from the Narrowest Web to Widest web through our Wide range and Versatile Technology. We have achieved success in Heavy load application Web Guiding Control as well.

principle of operation



web guide applications



web guiding components

Sensor

- HIGHER SENSING ACCURACY OF 0.01 MM
- OM SUNTRONICS has range of sensors which can accommodate Edge Guiding, Line / Edge Guiding, Centre Guiding (Fixed and Moving). Sensor selection depends upon types of material and type of environment.
- Apart from its range of sensors, OM SUNTRONICS is able to develop a tailored made sensor to meet requirement of special customer application.
- Sensors are designed & manufactured with utmost care to avoid interference of external noise and ambient light.
- Ensures immunity from Dust and Contaminants.

Controller

- Versatile range of Controllers to accommodate almost any web material.
- Wide range of Controllers is designed according to Web Process Application and Equipment Speed.
- All OM SUNTRONICS Guiding Controllers are equipped with advanced superior technology. Controllers offer reliable life for years of operation.
- Advanced Digital Controllers are equipped with Highly Advanced Micro Controllers which give very High Response to the Error Signal Processing even at higher speeds upto 800 m/min.
- Controllers are designed to give proportionate correction to Actuators and response gain enhances as web speed increases.

Actuator

- Highest response to controller Signal
- Wide range of Actuators depends upon the type of application, load requirement and type of environment
- Available for load ranging from 10 kg to 10 tonnes
- Various Actuator design available for stroke length 25 mm to 300 mm as standard
- Correction speed ranging from 10 mm to 60 mm per Second as a standard
- Customized Actuator can be designed according to specific requirement

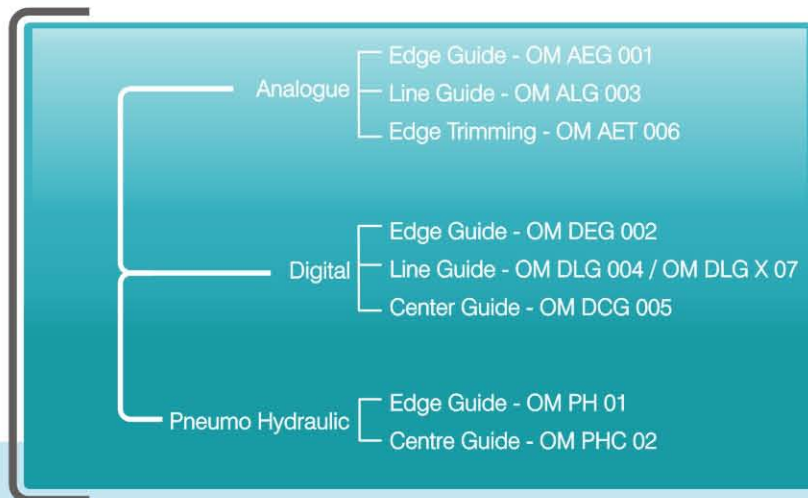




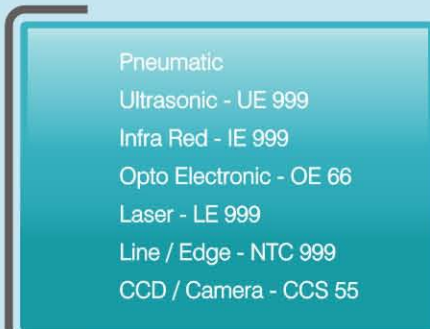
web guiding components

OM SUNTRONICS offers Right Guiding Control system depending on the various needs of the application process, environment and various materials.

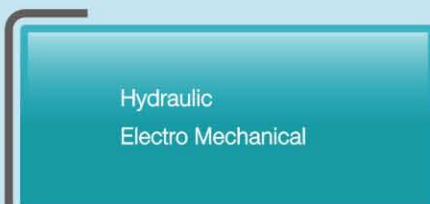
Controller



Sensor



Actuator



Frame

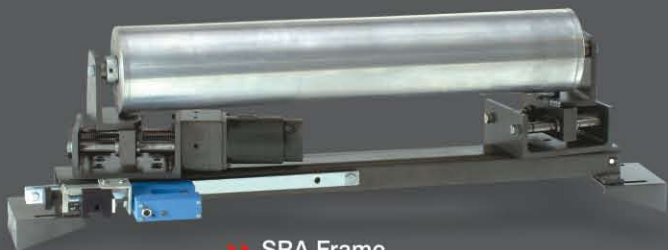




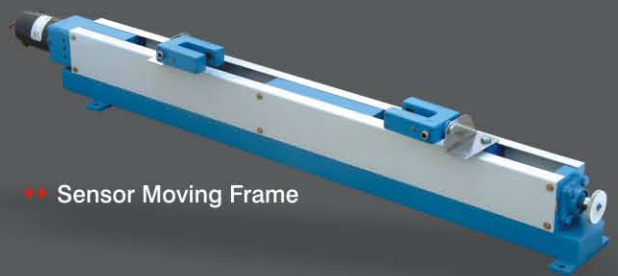
•• Narrow Web TRA Frame



•• Unwind Frame



•• SRA Frame



•• Sensor Moving Frame



•• Heavy Duty Wide Web Unwind Frame



•• Unwind Frame



•• TRA Frame



•• Narrow Web TRA Frame



tension control system

Main Components

Sensor

- Reliable Force Sensors (Loadcell)
- Versatile Range from 5 kg to 150 kg
- Customized Force Sensor can be designed according to specific requirement
- Dancer Technology - highly sensitive to tension variation
- Ultrasonic Sensor for Diameter Sensing

Controller

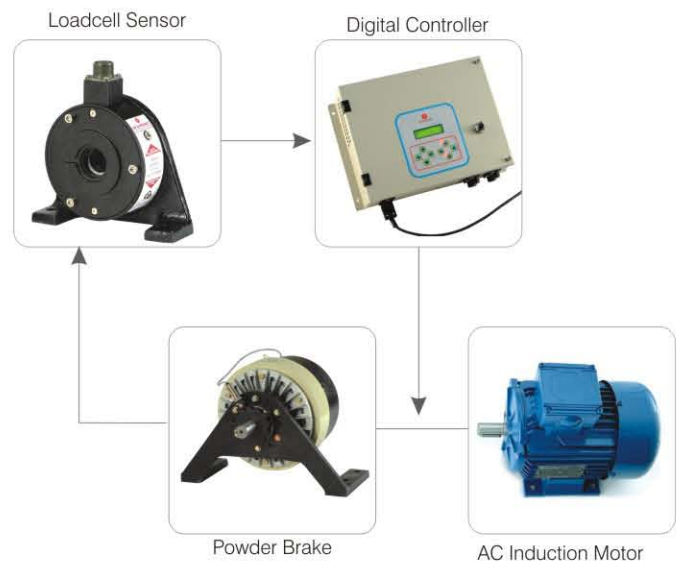
- Advanced Digital Technology (UTC 2000) by Highly Advanced Microcontroller
- Superior Design
- High Response to Force Variation
- Advance Digital Drive Solution for Unwind / Rewind, Pre Process, Post Process and Intermediate Processing

Actuator

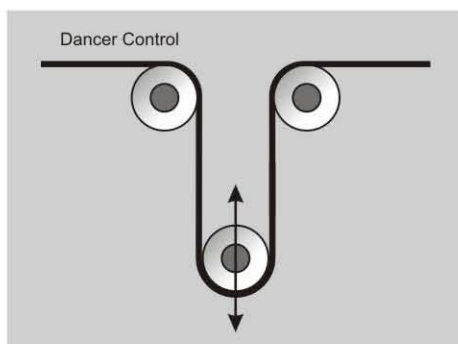
- High Precision Braking Technology
- Reliable Operation
- Superior Design
- Powder Brakes range from 5 kg to 20 kg
- Pneumatic Brake for High Speed and High Torque Application
- Re-generative Brakes by AC Motors



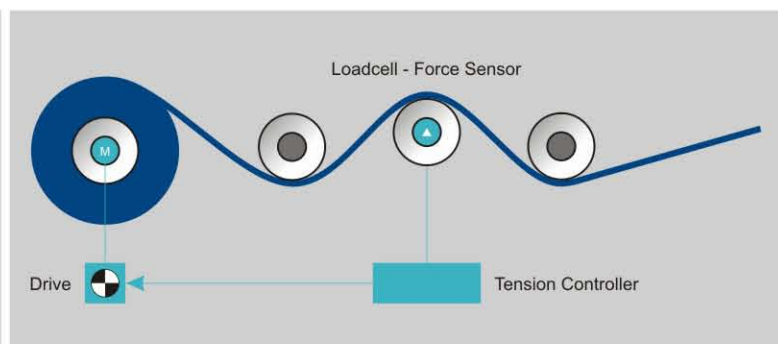
closed loop tension control



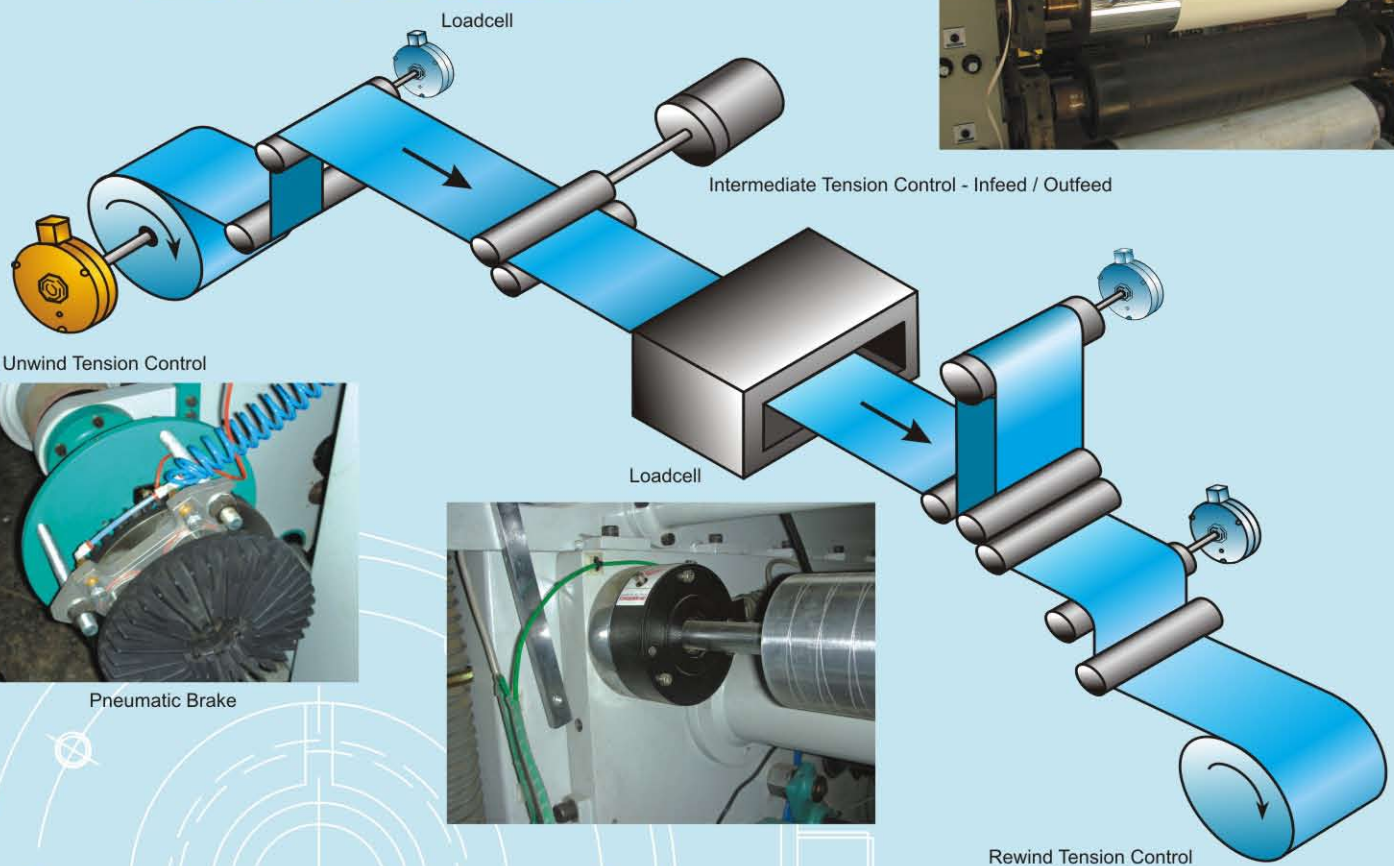
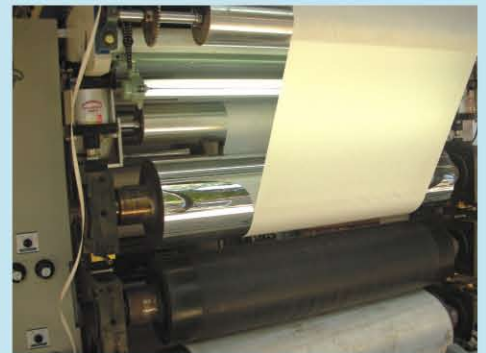
Dancer Control



Digital Drive Tension Control - Unwind / Rewind



Its all about managing tension



Pneumatic Brake

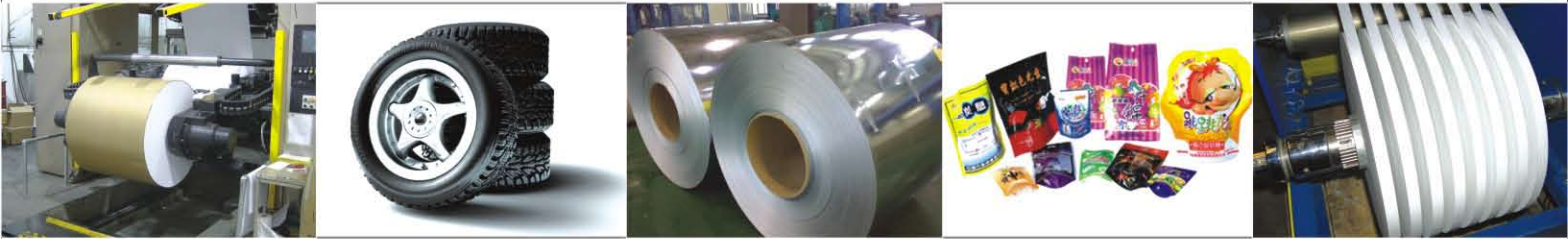


Loadcell



Rewind Tension Control

Industry Segments



OM SUNTRONICS
Converting Equipments

C1-B/805, GIDC, Makarpura, Nr. GCEL
Vadodara-390 010, INDIA
Telefax: +91-265-2631592, 2635929, 3043625
E-mail: info@omsuntronics.com
www.omsuntronics.com

Branches: Bangalore • Hyderabad • Kolkata • Delhi