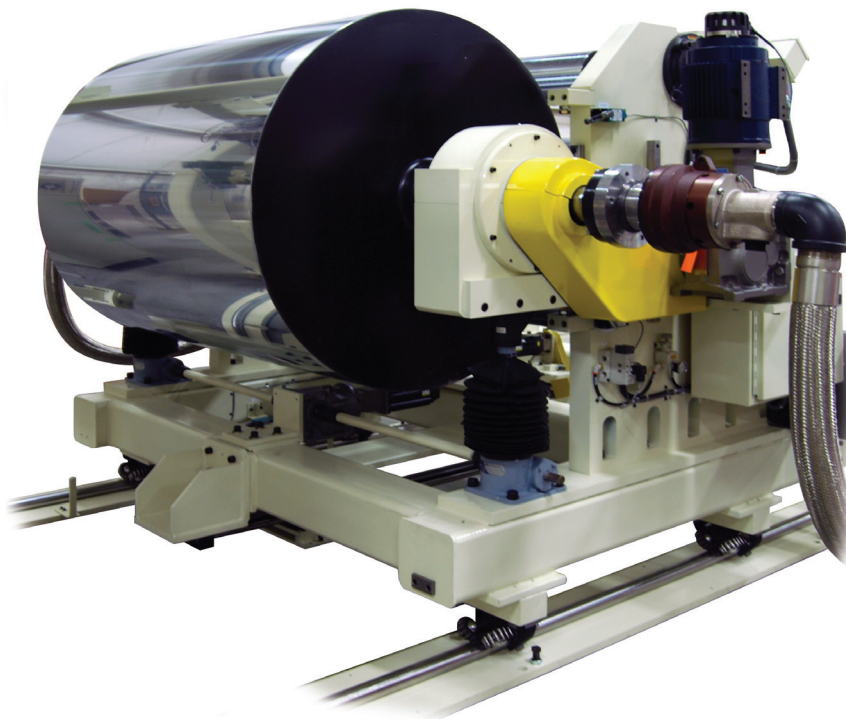




MARSHALL AND WILLIAMS PLASTICS
PARKINSON TECHNOLOGIES INC

Casting Systems

Flat Sheet & Film Chill Roll Systems



Marshall and Williams offers the industry's most complete range of casting systems for sheet and film processing that incorporate large diameter casting rolls or multiple cooling roll designs in addition to innovative pinning options to meet a wide range of production and material requirements. Each system is custom engineered to provide modular flexibility, precise controls and drive coordination with unique gap control options. Marshall and Williams Plastics is a recognized global leader of plastic sheet and film processing equipment and continues to push innovative designs for technology advancement.



**Plastics
Orientation**



Casting Systems

Flat Sheet & Film Chill Roll Systems



Vertical Sheetline



Horizontal Sheetline

Standard Capabilities

- Vertical, horizontal, J-stack and inclined roll configurations
- Precise gap control using gap adjusters
- Tilt stack roll configurations that operate from 0 - 90°
- Independent roll drives for precision control
- Simple and comprehensive operator's control interface
- Roll designs and surface treatments optimized to eliminate sheet defects
- Independent roll temperature control

Available Options

- Hydraulic or pneumatic roll actuation
- Auxiliary cooling rolls
- Automated roll gap adjustment using servo hydraulic or electrical actuator
- Independent or combined drives and temperature control
- Direct drive, chain drive, or gear driven rolls
- Specialty inline coatings
- Can be integrated with downstream winders, thermoformers, or sheeters

Features	Benefits
Custom engineered solutions	Solves your unique production requirements
Designed specifically for your application	<ul style="list-style-type: none"> • Flexible and tailored designs • Optimized product quality and profitability • Meets space and budget requirements • Ensures highest productivity rates
Custom roll surface coatings	Anti-stick, anti-scratch, improved traction etc.
Precise gap control	Uniform and repeatable sheet thickness control
Heat transfer systems designed for your specific application	Optimized in size, flow rate, and cooling requirements
AC Vector drives	Very precise speed control of individual rolls
Touch screen HMI	Ease of operation, operator training, recipe implementation and control

Casting Systems Specifications



Roll Loads	Up to 2000 pli
Output	Up to 5 tons /hour
Line Speed	up to 650 ft./ minute (200 mpm)
Roll Face	Up to 120 inches (3 m)
Roll Diameters	Up to 36" (900 mm)

All casting systems are custom engineered and are not limited to the specifications or models shown. Please contact a Parkinson Technologies Regional Sales Manager to discuss your application.



PARKINSON TECHNOLOGIES INC

DUSENBERY® CONVERTING SYSTEMS
MARSHALL AND WILLIAMS PLASTICS
PARKINSON WINDERS
KEY FILTERS

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