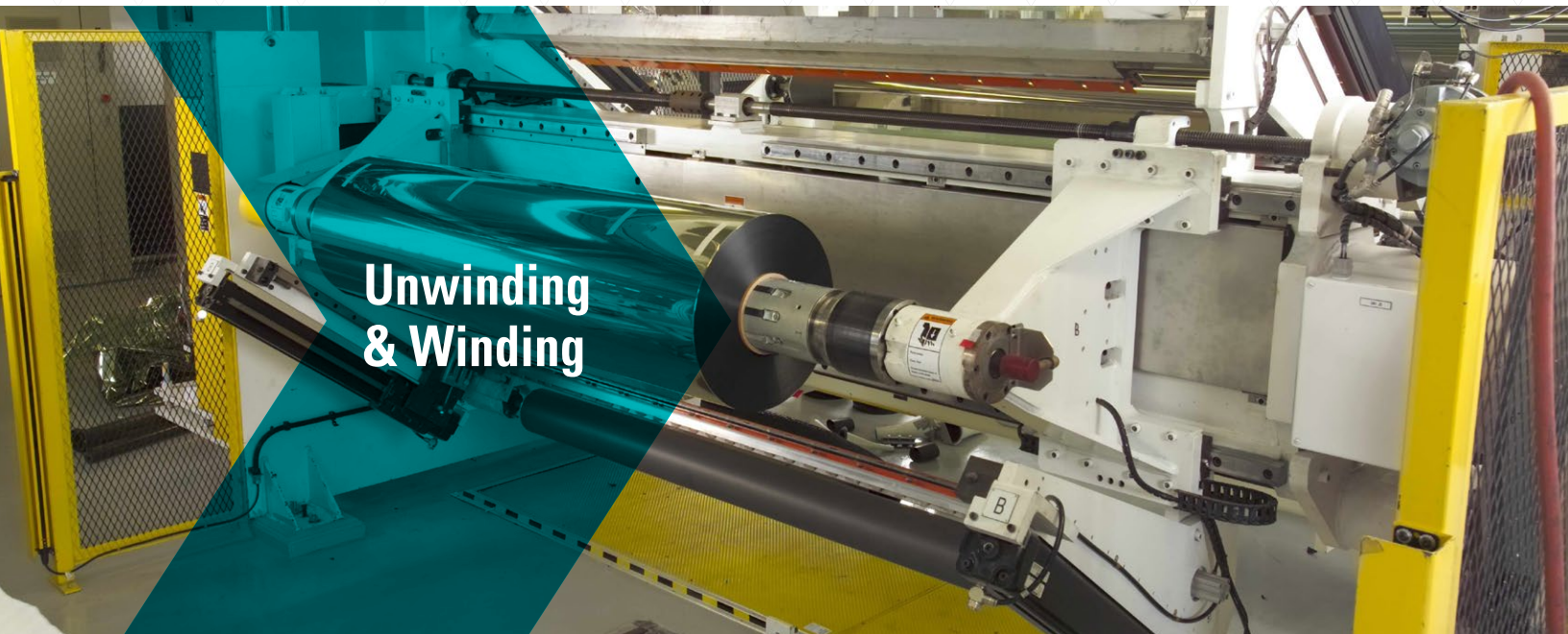




# DAVIS › STANDARD®

Where your ideas take shape.



## Unwinding & Winding

## QUALITY, FUNCTIONALITY & PERFORMANCE

### (QFP) Turret Unwinds & Winders

#### OVERVIEW

Whether you're planning a new installation or upgrading existing equipment, QFP Unwind and Winding systems will help you achieve maximum efficiency and profitability. The QFP systems with drives are delivered completely wired, piped and tested for smoother, more efficient installations and start-ups, while minimizing costs. QFP Unwind and Winding systems can be purchased shafted or shaftless, allowing you maximum flexibility, regardless of your application.

Contact your representative for more information on our high quality, affordable QFP Unwind and Winding systems.

#### TECHNICAL SPECIFICATIONS

Type / Size	Max. Roll Diameter
Model 10	30 inches (762 mm)
Model 20	42 inches (1067 mm)
Model 30	50 inches (1270 mm)
Type / Size	Max. Roll Weight
Model 10	3000 lbs (1361 kg)
Model 20	3000 lbs (1361 kg)
Model 30	5000 lbs (2268 kg)
Type / Size	Max. Speed
Model 10	2000 fpm (610 mpm)
Model 20	2000 fpm (610 mpm)
Model 30	2000 fpm (610 mpm)

# QUALITY, FUNCTIONALITY & PERFORMANCE

## (QFP) Turret Unwinds & Winders

### INTEGRATED QFP SPLICERS

Key technology of the QFP splicing system provides the ability to splice small to large diameter rolls by uniformly pasting at high speeds. Specifically designed for light film and foil applications, the QFP splicer can splice 13" (330 mm) and larger diameter rolls at line speeds without tension upsets. This is accomplished using state-of-the-art engineering:

- Dual direction splicing for maximum versatility
- Paste nip control for high speed pasting with light paste pressures
- High speed firing for pasting small diameter rolls at full process speeds
- The paster system is designed to contact squarely and then deform to a roll's surface allowing you to effectively make splices on conical rolls
- Circumference or sonic radius diameter measuring systems allow precise speed match for consistent splice tension
- Adjustable splice detect cams on shaftless models to eliminate splice reflective tape
- Automatic RTL (Reduced Tail Length) automatic splicing system



*Individually Adjustable Arm Regenerative Unwind*

### OPTIONS

- AccuTail Splice Control System with Automatic Sequencing enables consistent splicing and tail length control
- Center/Surface Winding enables you to wind excellent quality rolls when handling slippery material
- Dual Carriage Pressure Roll System (light nip) for controlling nip loading down to 20 lbs. (9 kg)
- Precision Gap Control Winding enables the control of air wound into the finished product
- ARC Static Knife System enables roll changes without the use of adhesives
- Pull Roll Systems enables winding tension isolation
- Inline Slitting Systems minimizes subsequent converting operations by using either razor, score or shear type slitters for winding up to 4 slit rolls on line

### INTEGRATED QFP ROLL CHANGERS

The QFP winder can be tailored to handle a wide range of materials. The ability to program the density control coupled with the automatic transfer system enables excellent quality large diameter rolls to be consistently produced. This is accomplished using state-of-the-art winding technology with our rugged design:

- Programmable control of winding parameters
- Accurate and responsive tension control is accomplished through the use of precision transducers
- Pressure roll carriage is supported on linear bearings enabling precise control of nip loads between 50 lbs. to 600 lbs. (23-272 kg)
- Flex spreader roll prior to winding for wrinkle free products
- Accommodations for multiple core sizes for greater versatility
- Utilizing our patented Stationary Knife Transfer System provides reliable, straight line, no foldback transfers to new cores