



DAVIS › STANDARD®

Where your ideas take shape.

Unwinding & Winding

HIGH-SPEED FILM AND FOIL UNWIND

OVERVIEW

The two-position, shaftless, phantom-axis turret design offers several advantages. The compact design due to the phantom axes with short unsupported web passes specially for sensitive web materials. The splice knife equipment mounted in the turret assembly optimize the splice sequence for smooth roll transfer with the end tail far away from the paste roll nip, which is a nice advantage due to a transfer from top side.

The Unwind is usually used as an Aux Unwind in Aseptic Packaging and Flexible Packaging lines for a constant high speed operation.

FEATURES

- Dual splice direction
- Driven idler rolls on the turret
- Direct spindle drive using a timing belt without a backlash
- Cross-cut knives on the turret between two driven idler rolls
- Light weight carbon fibre knife holder
- Inverter controlled turret drive
- Precision turret control with an absolute encoder
- Continual gap mode between the bumper roller and reel during the unwinding process
- Automatic air inflation for pneumatic chucks with pressure control
- Tension control via a long-stroke dancer roll
- Ultrasonic sensor measurement for the incoming roll diameter
- Automatic edge guide control

HIGH-SPEED FILM AND FOIL UNWIND

TECHNICAL SPECIFICATIONS

Roll Face	24-120 inches (610-3048 mm)
Speed	up to 3000 fpm (914 mpm)
Roll Diameter	12 inches (305 mm)