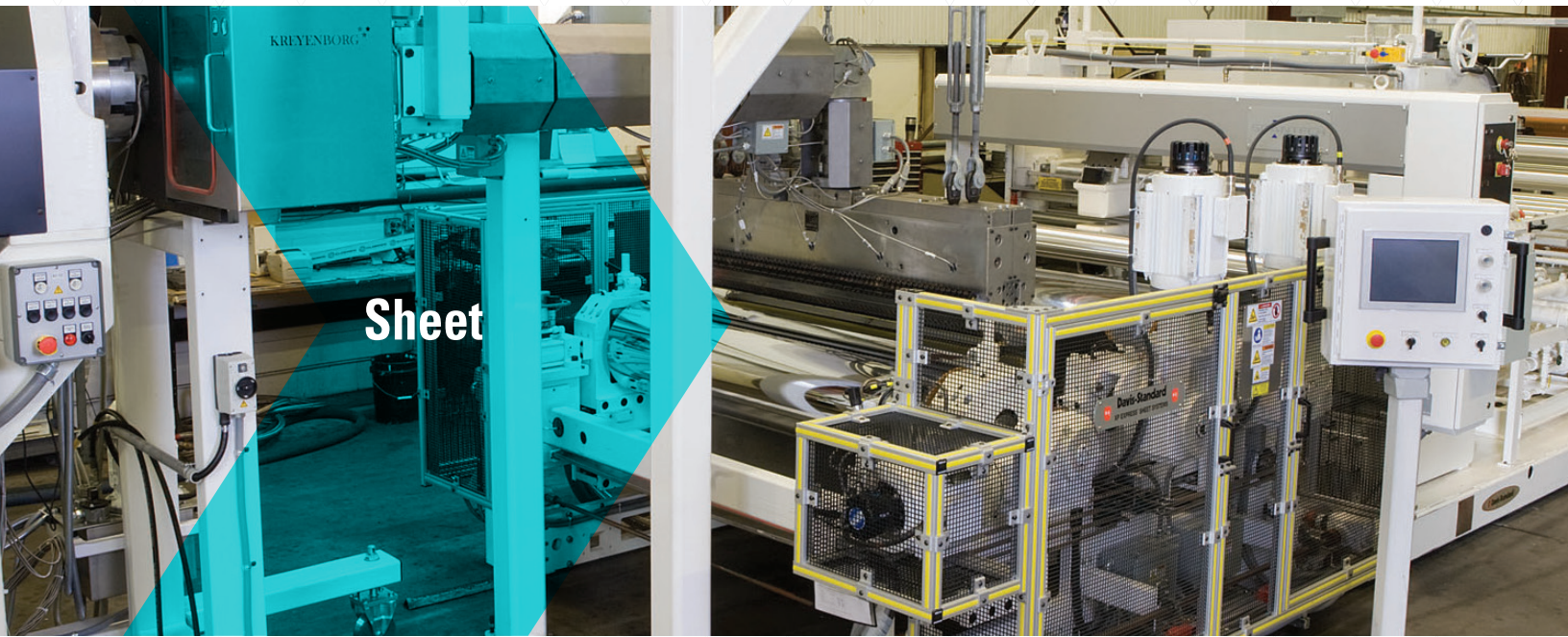




# DAVIS-STANDARD®

Where your ideas take shape.



## XP Express®-H Horizontal, High-Output, Energy-Saving Rollstand

### Overview

Davis-Standard's Horizontal Series XP EXPRESS®-H sheet systems are offered for a full range of cast sheet applications including thin gauge sheet, low-melt strength resin extrusion, and high-clarity, low-haze sheet process applications. The XP Express®-H is available in standard width ranges of 36 to 80 inches (900 - 2,000 mm) with rates up to 8,000 lbs/hr (3,600 kg/hr), and the XP Express® HD-H series up to 300 inches (7620 mm) wide.

### Sheet Processing

- APET, PETG, CPET
- Fluoropolymers
- Polyolefins
- Polycarbonate
- Polystyrene
- Solar sheet and films
- Polypropylene
- Extrusion laminating
- Urethanes
- PMMA
- Bioresins
- Nanolayer barrier sheet and film

# XP Express®-H Horizontal, High-Output, Energy-Saving Rollstand

## Standard Features

- Water heat transfer units and chromed rolls
- Dual linear bearing roll actuation
- Precision manual roll gap adjustment
- Motorized four point roll frame elevation
- Robust frame and bearing design
- Low friction conveyor idler rolls
- Horizontal traverse unit
- Individual AC synchronous roll drive train
- Hydraulic roll actuation
- Dual flow rotary unions
- Guarding, processor friendly
- Touch screen and PLC control
- Razor slitters for edge trim
- Exit pull roll, driven, pneumatic actuated

## Optional Features

- Air knife assembly
- Annealing stations
- Automated on-line roll cleaner
- Automated roll gap adjustment
- Cooling cans, fan banks
- Corona plasma treatment
- Embossing rolls
- Extrusion laminate let-offs
- High temperature cooling systems (550°F, 287°C)
- Multilane slitters
- Planetary roll drives
- Protective film let-offs
- Quick roll change assembly
- Roll skewing
- Rubber nip roll and back-up cooling roll
- Servo motors and drives
- Solution applicators
- Stripper roll assembly
- Thickness measurement system
- Vision inspection systems
- Winders and shears

PROCESS CATEGORIES	KEY FEATURES AND BENEFITS
Standard Sheet Thickness Range:	0.015-0.060 inch (0.38-1.52mm) <ul style="list-style-type: none"> <li>• Standard tolerance</li> <li>• 1.0 mil TIR roll assemblies</li> <li>• Hydraulic actuation</li> <li>• Manual roll gap adjustment</li> <li>• Individual AC roll drive</li> </ul>
Thin Sheet Thickness Range:	0.008-0.015 inch (0.2-0.38mm) <ul style="list-style-type: none"> <li>• Precision tolerance</li> <li>• .2 mil TIR roll assemblies or better, with matched internal clearance for operating temperature</li> <li>• Hydraulic roll actuation - recommended</li> <li>• Hands free roll gap/force control - recommended</li> <li>• Roll skew assembly - recommended</li> <li>• Individual roll drive</li> </ul>
Film Category Thickness Range:	<0.008 inch (<0.2mm) <ul style="list-style-type: none"> <li>• Film processing features</li> <li>• Air knife and edge pinning assemblies</li> <li>• Alternate rubber nip roll assembly</li> <li>• Automated on-line roll cleaner</li> <li>• Individual roll drive</li> <li>• High GPM cooling flow roll construction</li> </ul>

\* Thickness ranges are nominal and features required are subject to machine width review.

## STANDARD ROLL FACE RECOMMENDED NORMAL ROLL DIAMETERS (INCHES)

INCHES	16	18	24	30	36
36	Y	Y	Y	Y	Y
42	Y	Y	Y	Y	Y
48	Y	Y	Y	Y	Y
54	N	Y	Y	Y	Y
60	N	Y	Y	Y	Y
66	N	Y	Y	Y	Y
72	N	N	Y	Y	Y
80	N	N	Y	Y	Y