



# DAVIS-STANDARD®

Where your ideas take shape.



## BLOWN FILM

## AGRICULTURAL STRETCH FILM

### OVERVIEW

Davis-Standard leads the industry in experience and technology innovation on large, wide blown film systems. There is no better extruder available for high output and low melt temperature than the MAC extruder and DSBII screw. The unique extrusion concept leads to the best and most consistent melt quality (temperature uniformity to 2 degrees F and pressure variation <1%) which is necessary to get uniformity from large dies. The die systems can be oscillating up to 1.2 M diameter or stationary up to 2.1M diameter. These systems produce controlled property films at wide widths with flat rolls.

Agricultural stretch films must have uniform quality and thickness to consistently secure the bales, excellent stretch properties with consistent cling levels, strong puncture resistance, high load retention for bale integrity and low oxygen and water permeability.

### KEY FEATURES

- Controlled injection of PIB through valves within the screw allows for best mixing, bloom control and output rate which is critical for unvarying product quality.
- DSB screws for superior processing of resin mix providing excellent melt homogeneity
- MAC 30:1 smooth bore extruders for control of melt temperature and for better mixing
- Centrex die provides excellent gauge, thermal stability and low wetted surface area
- Oscillating nip assembly with adhesive package for release properties
- Winder designed for small diameter reels with quick transfer

# AGRICULTURAL STRETCH FILM

## TECHNICAL DATA

- AC motors and drives
- Engineered to permit a wide range of speed and power capabilities
- Direct coupled or belted to 100 mm size
- Designed for greater rigidity, proved thermal capacity, longer life and quiet operation
- Optional DRV model available for < 80 dba
- Splash or circulating oil lubrication systems are available
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## TECHNICAL DATA

Finished Product Examples	Bale wrap: 500 mm / 750 mm reels
3 Layer Configuration	90 / 150 / 90 mm (3.5 / 6 / 3.5")
5 Layer Configuration	75 / 90 / 130 / 90 / 75 mm (3 / 3.5 / 5 / 3.5 / 3")
Nominal Layer Structure	15 / 70 / 15 or 10 / 20 / 40 / 20 / 10
Die Diameter	790 - 850 mm / 31 - 34"
BuR	2.45 - 2.65:1
Max Web Width	3300 mm / 130"
Typical Output	750 - 900 kg/hr / 1650 - 1980 lbs/hr
Thickness Range	15 - 38 $\mu$ / 0.6 - 1.5 mil
Materials to be Processed	LD, LLD, mLLD, EVA, & PIB Injection

## LINE CONFIGURATION

- Material Handling  
Blending system including vacuum loading
- Extrusion  
MAC 30:1 smooth bore extruders  
DSB barrier screws including PIB injection
- Die & Air Ring  
Centrex multi layer stationary IBC die with Triple Lip Air Ring  
Auto profile package with oscillating gauge
- Tower Equipment  
Bubble sizing cage, carbon fiber roller collapsing, vertical oscillating haul off including adhesive package
- Winding  
Model 1700 winder with advanced low inertia layon assembly
- Control System  
Davis-Standard fully integrated controls
- Optional Services  
Complete installation and commissioning  
Line upgrades and components available

