

# MAXSON SDFK Sheeter



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## Accurate. Heavy Cutting Load.

Employing energy conserving AC drive technology and state of the art motion control systems the SDFK Sheeter provides a sheet length accuracy of +/-0.015" (+/- 0.38 mm). For sheeting preprinted material, the SDFK Sheeter can be equipped with cut to register capabilities.

Using MAXSON's proven dual knife rotary cutter design, the SDFK provides the cleanest, quietest and highest quality cutting action available. With a knife loading capacity 800 lbs./3300 ft<sup>2</sup> (1000 gsm) its solid knife revolvers are the market leader in shearing power.

With its compact foot print, the sheeter requires nominal site work and minimal floor space. When outfitted with casters or an "air flotation" design the entire unit can be moved off line to allow access to an extruder's screw.

## Faster Than A Drop Shear.

Outfitted with a rugged dual knife rotary cutter design SDFK Sheeter can reach speeds of 300 fpm (90 mpm). When equipped with an extending grid system the SDFK is capable of continuous operation during skid changes without the loss of acceptable sheets.

Requiring a moderate capital investment, the SDFK Sheeter provides higher speeds than a drop shear with a cleaner, scissors like cut. As a result The SDFK Sheeter produces better product quality and higher output, delivering a rapid payback.

Like the other members of the MAXSON family of fine sheeters, the SDFK can be configured to address a Customer's needs. Stacking arrangements for the digital press market or the ultra large format sizes are available.



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SDFK's Dual Knife Rotary Cutter Displayed

The MAXSON SDFK Sheeter provides a cost effective alternative to drop shear or guillotine cutters that limit production speeds on inline extruding and coating lines. It offers:

- Proven rotary cutting technology that can cleanly cut up to 0.125" (3.2 mm) thick material.
- An exclusive "clash adjustment" that permits fine tuning of cross cutting blades while running.
- A "continuous run" feature that lets the sheeter run while off loading skids of material.

Since 1912, MAXSON has pioneered revolutionary sheeting designs to meet the Industry's needs for high speed performance, accurate sheet length and durable construction.

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## Exclusive Cross Cutting Knife Clash Adjustment.

In this sheeter design, the cutting section includes knives mounted in an upper and lower rotating cylinders. Using the exclusive clash arrangement, the Operator can safely adjust the cross cutting blades while the cutter is running, by transversely shifting the upper cylinder across the width of the cutter to increase (or decrease clash). This allows the Operator to improve cut quality while running the sheeter.



By turning the clash adjustment the upper knife revolver can be incrementally moved using fine threaded progression. Moving the top cylinder in against the bottom revolver has the effect of increasing knife overlap, compensating for blade wear. Moving the upper revolver back out has the effect of backing away the interference between the two blades when cutting thicker materials

## In Line. Press Ready Piles.

The SDFK Sheeter can be outfitted with a load cell tension control that matches the sheeter speed to the extruder or coater speed assuring accurate sheet length.

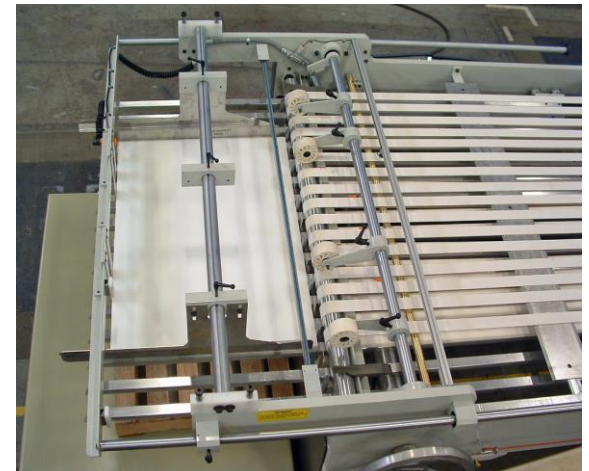
Designed to produce crisp, tight piles the stacker's jogging system is built to withstand continuous operation. A delivery system introduces air between each cut packet. Meanwhile a back jog plate and side jogger blades vibrate sheets into press ready skids.

## Specifications:

	Imperial Units	Metric Units
Sheet Length Accuracy	+/- 0.015"	+/- 0.38 mm
Squareness Accuracy	+/- 0.020"	+/- 0.51 mm
Maximum Geared Speed	300 fpm	90 mpm
Knife Trim Width	65" 57"	1650 mm 1905 mm
Sheet Length Range	15" – 65" < 2000"	381 – 1651 mm < 50,800 mm
Cutting Capability	800 lbs. / 3300 ft <sup>2</sup>	1000 grams / meter <sup>2</sup>
Pile Height (Skid Included)	45"	1145 mm

## Options and Auxiliary Equipment

- In Line or Off Line Arrangements
- Web Guidance
- Cut-to-Mark / Cut-to-Register
- In Line Slitting Capability
- Reject Gate
- Extended Sheet Length Range
- Non-Stop Skid Removal



SDFK Sheeter's "Continuous Run" Stacker.