

MAXSON MDH Sheeter



Affordable Dual Rotary Cutter

Using MAXSON's proven dual knife rotary cutter design, the MDH provides the cleanest, quietest and highest quality cutting action available. With a knife loading capacity 800 lbs./3300 ft² (1000 gsm) its solid knife revolvers are the market leader in shearing power.

Requiring a modest capital investment, the MDH Sheeter combines the facility of high speed with quick change over. As a result it can adapt to both short and long order runs, delivering a rapid payback.

Like the other members of the MAXSON family of fine sheeters, the MDH can be configured to address a Customer's needs. Stacking arrangements for the digital press market or the ultra large press format sizes are available. Multiple shaftless unwinds and web conditioning arrangements for board or paper grades are available.

Precise. High Output. Nimble.

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

Outfitted with low inertia revolvers and advanced delivery and stacking systems, the MDH Sheeter can reach speeds of 1300 fpm (396 mpm). When outfitted with a web splicer and rapid pallet changing arrangement the MDH affords continuous operation without the loss of acceptable sheets.

With its compact foot print, the sheeter requires nominal site work and minimal floor space. Size changes are completed in minutes. One operator is required to run the MDH Sheeter.

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MDH Sheeter, Ultra Large Format Version

The MAXSON MDH Sheeter presents high speed sheeting at an affordable price for converters and printers that have relied on outside sources for their sheeted inventory. It offers:

- Energy conserving drives that deliver precisely cut sheets
- Advanced electronics that change size at the touch of a finger
- Operator interfaces that allow production data sharing
- Remote diagnostics that can troubleshoot programs from MAXSON's Westerly RI USA facility

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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Most Rugged Dual Knife Rotary Cutter Available.

Unlike hollow knife cylinder designs, the MAXSON DFK Sheeter employs solid cutting revolvers designed to withstand heavy knife loads, up to 0.060" (1.52 mm) thick board.

The dual knife rotary cutter assembly includes an upper and a lower knife cylinder, coupled together by anti-backlash gearing. The knife motor is direct coupled to the lower revolver, insuring sheet length accuracy.

Quick lock knife adjustments are used across the upper knife cylinder to fine tune cross cut in specific areas. The lower knife uses a simple bolt in arrangement. With this design, knife changes require less than 2 hours to complete.

High Speed. Sharp Piles.

The overlapping delivery system equipped with the MAXSON Airfoil Overlap increases speed by up to 200 fpm (60 mpm). The high speed and low speed tape sections used dynamically balanced rolls to maintain vibration free performance.

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



MDH Sheeter Operator friendly footprint

Specifications:

	Imperial Units	Metric Units
Sheet Length Accuracy	+/- 0.015"	+/- 0.38 mm
Squareness Accuracy	+/- 0.020"	+/- 0.51 mm
Maximum Geared Speed	1300 fpm	396 mpm
Knife Trim Width	65"	1650 mm
Sheet Length Range	15" – 65" 15" – 82"	381 – 1651 mm 381 – 2083 mm
Cutting Capability	800 lbs. / 3300 ft ²	1000 grams / meter ²
Pile Height (Skid Included)	60"	1524 mm

Options and Auxiliary Equipment

- Shaftless Roll Stands
- Web Guidance
- Cut-to-Mark / Cut-to-Register
- Automatic Squaring
- Reject Gate
- Dust Collecting Systems
- Non-Stop Skid Removal
- Pile Offset (eliminates restacking)



MAXSON MDH Sheeter with Series 300 Stacker.