



SW (Starwheel) Sheeter



Technical Description:

- Web widths 20 ½" and 26 ¾".
- Cut-off range 6" – 17", infinitely adjustable.
- Variable chip-out (infinitely adjustable) from ¼" – 1 ½" for sheets 8" – 17".
- Maximum Speed 1000 feet/minute.
- Inline solution - Web can be fed from a press or loop.
- Offline Solution – Preprinted reels up to 50" diameter.
- 360 Degree circumferential register adjustment, +/- 3/16" lateral register.

Overview:

The new SW Sheeter is built of robust construction and has a variable cut-off for both online and offline applications. It can sheet and stack, via the use of a starwheel (up to 6 streams across the web), difficult to handle shapes or products that have multiple thicknesses or have been finished to add value. The SW Sheeter is equipped with servo drives, which allow the cut-off to be quickly changed via the touch screen operator panel.

The unit utilizes the shear cut principle where a rotating knife cuts against a fixed knife. This produces a superior result. The sheeter is equipped with two cutting knives. For a normal sheeting operation, only one knife is used. When a variable chip-out is desired, both sheeting knives are put into operation and the size of the chip-out can be varied. The sheeter also offers a variable chip-out from ¼" to 2", and can run in 'butt-butt-gap' mode to allow more flexibility for layout of a pre-printed reel.

As a servo-driven unit, the SW Sheeter can be added and moved to any production line. It is equipped with an automatic register control to ensure cut-off accuracy. After the sheeter block, the product is transferred to a vacuum belt without shingling, and the sheets are then delivered into the starwheel which has a 100% count accuracy.

An inserter can also be mounted in the delivery prior to the starwheel for batching products with backers/slip sheets/stabilizers. Booklets and glued document packs can also be assembled in the sheeter by using a glue nozzle in the vacuum belt section.

Gaming and lottery play slips are run in different countries on the SW Sheeters as they are usually 5 or 6 wide, and each stream can be delivered separately.

The SW Sheeter has been implemented in the DM and Transpromo sector for a number of years (with multiple installations in the USA), but the unit has also been utilized recently for film bottle labels. Solutions for cut and stack applications for PS and film label printers are readily available

The SW Sheeter can also be integrated with an ESS die-cutting unit to cut and strip carton (up to 16 point) before it is transferred into the delivery section. ESS also offers an automatic robotic in-feed for packing lines from the back of the sheeter for a complete turnkey production solution.

Starwheel delivery of tickets and integrated documents.

