

MarquipWardUnited

Robotic Plunge Slitter/Scorer (RPS)



Key Features

- The MarquipWardUnited RPS slitter/scorer's required trim width is the lowest of any slitter/scorer on the market.
- Best operator & maintenance access in the industry.
- Robust mechanical design developed to result in an extremely simple electrical system. The RPS has maintenance requirements closest to a Triplex Slitter/Scorer."
- Modern "off the shelf" controls hardware.
- Industry leading diagnostics with state of the art remote troubleshooting capabilities.
- Narrow score tool spacing to yield maximum Scoring flexibility.
- Give us a call and let us prove to you how you can start saving money, time and paper with MarquipWardUnited's complete line of Razorset slitter scorers.

Barry-Wehmiller

Robotic Plunge Slitter/Scorer (RPS)

Slit and Score Tools Plunge at Order Change

The Robotic Plunge Slitter/Scorer has multiple slit and score stations so that tools on one station can be set up while tools are running on a second station. At order change the tools for the old order will plunge out of the board, while the new order tools plunge into the board. This order change plunge occurs in 0.3 seconds, allowing order changes to occur without changes in line speed. Both gapless and natural gap order changes can be run with this Slitter/Scorer.

Robotic Tool Setup

The individual slit and score tools are positioned in the cross machine direction by a common robot. This robotic tool setup yields a very simple controls design. The controls system uses industry standard off-the-shelf components to help minimize future maintenance costs.

Superior Score Flexibility

Combination tooling provides up to three score profiles from a single score tool. Individual score heads are used to maximize repeatability of positioning. Heads can be placed 53 mm (2.1") apart for close score placement. A modular score section offers zero score spacing and a greater variety of score tool profiles. The manual setup section allows the use of custom score profiles to be plunged into the board line at order change.

Precise Score Depth

Precise scoring depth prevents score cracking and ensures uniform folding forces of the box. This Slitter/Scorer uses a temperature-controlled, box-type structure that is ten times as rigid as a typical air shaft. The result is superior depth control over all types of board.

Superior Slit Quality

Slit quality is a fundamental performance characteristic of a slitter/scorer. Since MarquipWardUnited introduced thin-blade slitting in 1989, Razorset has become the corrugated industry's standard for slitting excellence with features such as individual on-head sharpening systems, rotating lower anvil supports, and use of a very thin blade. In addition, Razorset minimizes dust, increases flexo productivity, improves print quality, reduces edge trim, eliminates slit edge delamination, reduces feed table jams, and improves box squareness and curing.

Industry Leading Accuracy

Precise tool setup is critical to the manufacture of a quality box and to the reliable operation of automatic case erection equipment. Tool setup accuracy of +/- 0.4 mm (0.015") allows you to consistently meet critical box specifications.

Additional Features

- External electronics for improved reliability.
- Guards swing away to provide improved access to the tooling heads.
- Touch-screen operator interface enhances control.

Optional Features

- Manual score section for custom scores.
- Partial web sever shear mounted upstream of the slitter/scorer for gapless order change.



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