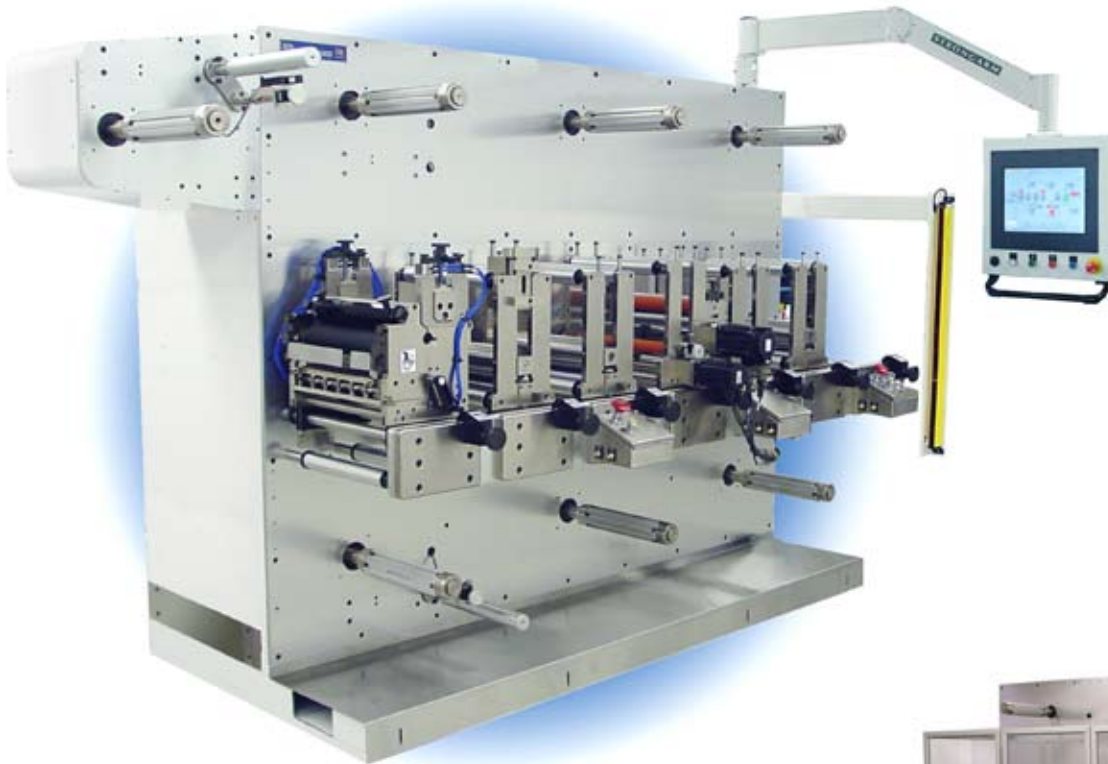


The Delta Mod-Tech® - Crusader® Rotary Converting System



The Delta Crusader® is a proven web converting system. It includes 6 unwind/rewinds, 1 manifold with 7 positions, 6 rotary die modules, HMI and light curtains. (see back for specific details)

The Delta Crusader® (photo on left) includes several process options:

- Flexographic print module
- Additional wind/unwind station
- Island Placement module
- Edge Guide Steering

The Delta Crusader® (below) is a base design Crusader with optional guarding.



The Delta Crusader® is designed to meet the demands of quick change, high quality, and ever-evolving manufacturing environments. The key to the Crusader's Flexibility is its use of independently servo-controlled stations in combination with its user-friendly operator interface.

Benefits include:

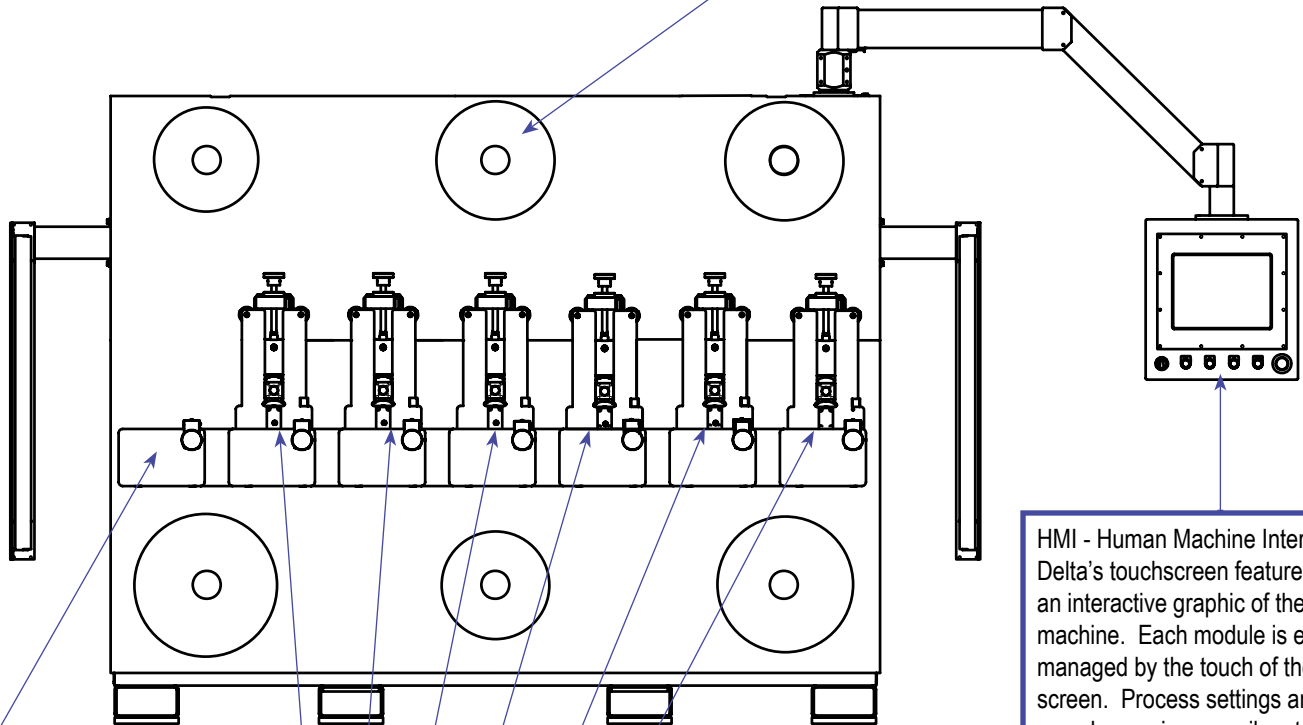
- ✓ **Quick Changeover of Existing Products**
Recall product recipes via HMI
- ✓ **Minimal Change Part Tooling**
Delta's equipment is fully servo controlled.
- ✓ **Quick Set Up of New Products**
Save product recipes via HMI.
- ✓ **Modular and Expandable Design**
Interchangeable stations.
- ✓ **Tight Tolerance Registered/re-registered Die Cutting** Independently controlled servomotors.
- ✓ **Auto-homing Set-up**
Starts up in registration to eliminate material waste.
- ✓ **Minimal Spare Part Tooling**
Delta's mechanical design eliminates the need for leaky gearboxes and back shafts.

Specifications	Standard	Metric
Maximum Web Width:	10", 13"	254mm, 330mm
Maximum Die Repeat Size:	15"	381mm
- with upper die station idlers removed	18"	457.2mm
- with outboard idlers (optional)	25¾"	654.05mm
Maximum Converter Speed	300 ft./min.	91.44m/min.
Gearing	⅛" C.P.	3.175mm C.P.
Material thickness	dependent on die capability	



Delta Mod-Tech® Crusader Rotary Converting System

Standard design includes 6 unwind/rewinds. Options include: additional unwind/rewind configurations, tension controls, transducers and dancers.



7-Station Manifold, any configuration of process modules may be added and moved as needed, per application.

HMI - Human Machine Interface
Delta's touchscreen features an interactive graphic of the machine. Each module is easily managed by the touch of the screen. Process settings are saved as recipes, easily retrieved per application.

Rotary Die Modules: The cornerstone of our converting systems. Standard design includes 6 Rotary Die Modules. Each module can be used for any of the following processes by simply changing the tool roll:

- Laminating
- Nipping
- Die Cutting
- Punching
- Embossing
- Slitting
- Sheeting

Optional Process Modules may replace rotary die modules. They may be added and removed, as needed, per application specifications.

- Island Placement
- Flexographic Printing
- Digital Printing
- Drying
- Packaging
- Custom Processes



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