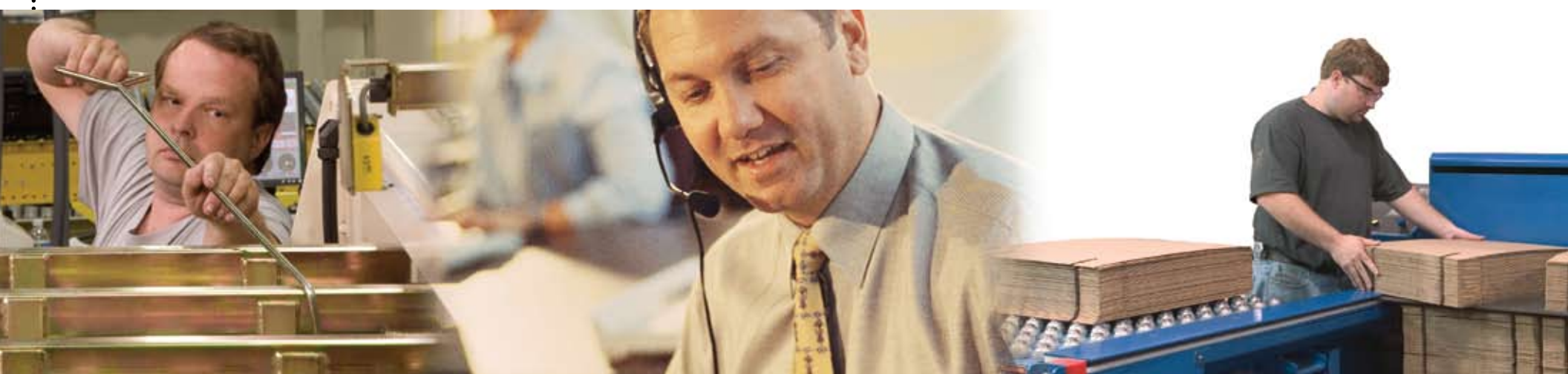




## QUIK-BREAK™ II NICKED BUNDLE SEPARATOR

# A SINGLE SOURCE SUPPLIER TYING IT ALL TOGETHER



### FASTER INSTALLATION - ONE CALL FOR PARTS, SERVICE, TRAINING AND SUPPORT – FULL RESPONSIBILITY

Geo. M. Martin has long been known as the leading supplier of world-class stackers for the corrugated industry. More recently our product lines have expanded to include a full range of bundle line and stacking equipment as well as unique specialty conveyor components and state-of-the-art controls to tie it all together. Our dedicated R&D efforts continue to develop products to help converters cost-effectively maximize their productivity and profitability and offer converters single source convenience and responsibility.

Our bundle lines consist of a range of specialty and unique equipment that not only meets, but exceeds your requirements and expectations. A complete solution from a single OEM also assures proper and efficient integration and the ability to “fine-tune” various components for maximum productivity.

- Geo. M. Martin, your single source supplier offering a complete line of material handling solutions world-wide.
- Specialty material handling components
  - Bundle conveyor line products
  - Die-cut, Press, and Specialty stacking systems

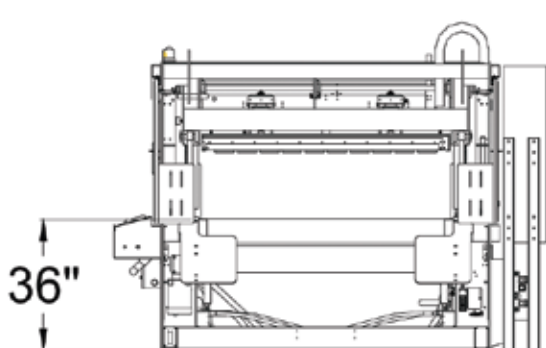
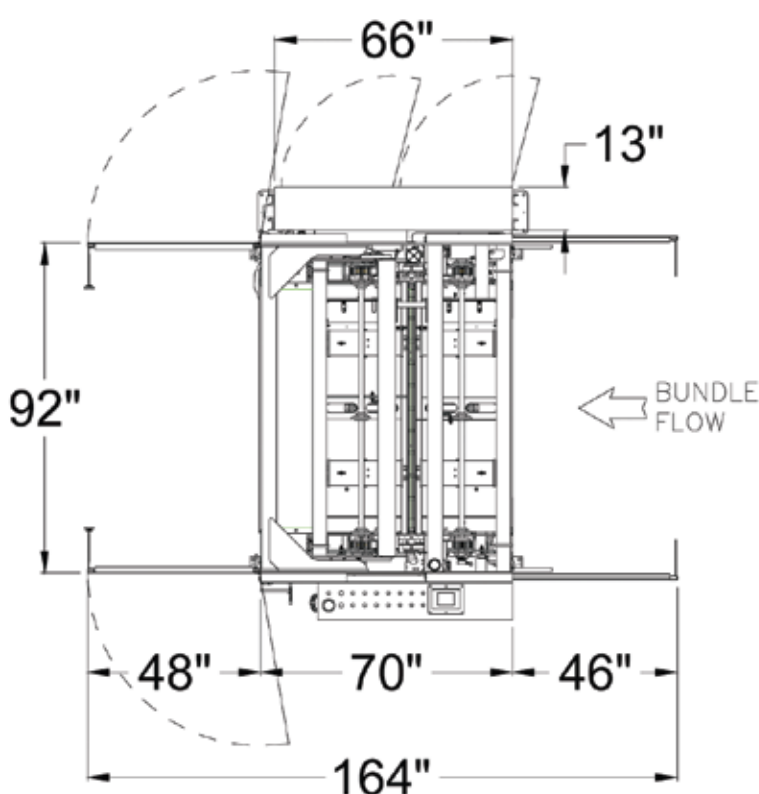


## QUIK-BREAK™ II NICKED BUNDLE SEPARATOR

Model	QBII - 68W x 40L
Machine Length	70" (1778 mm)
Machine Width	100" (2540 mm)

### SPECIFICATIONS

Board line	36" - 46" (194 – 1168 mm)
Min. Bundle Height	2" (51 mm)
Max. Bundle Height	16" (406 mm)
Min. Bundle Length	6" (152 mm)
Max. Bundle Length	40" (1016 mm)
Max. Nip Adjustment	12" (305mm)
Bundle Variation	¾" (19 mm)
Total Bundle Width	68" (1727 mm)
Weight	10,000 lbs (4,536 kg)



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# QUIK-BREAK II - NICKED BUNDLE SEPARATOR

## THE LATEST GENERATION OF ENHANCED PRODUCTIVITY

### WHAT'S NEW WITH QUIK-BREAK II?

- ▶ Faster Cycles – Faster break-to-break cycle times and a new “Batch Mode” which dramatically reduces the time between breaks and enhances bundle stability when transferring small and very narrow bundles.
- ▶ Enhanced hydraulics with “Sleep Cycle” – High speed, large capacity proportional hydraulics provide the power necessary to be one of the fastest separators available. “Sleep cycle” programming turns off the hydraulics when not in use to extend component and oil life.
- ▶ Independently mounted electrical cabinet – Isolates electrical components from the vibration of bundle breaking.
- ▶ Conveniently located operating and safety controls – Operating, safety and lockout controls are positioned on the operator panel for convenient, easy operation and to promote safe work habits.
- ▶ Smaller footprint – It takes up less floor space, but it's just as durable and rugged as the original. Retractable guards and optional Quik-Park conveyor further reduce footprint when not in use.
- ▶ Quik-Park conveyor (optional) – Can be automatically stowed inside of the Quik-Break II to maximize usable floor space and minimizing set up time.
- ▶ Encoder Platen positioning for consistent breaking of all bundle sizes and types.

### QUIK-BREAK II ADVANTAGES

#### Speed, Versatility, Convenience

- ▶ Quick setup with conveniently located, easy to learn and use controls
- ▶ Separates virtually all standard and nested designs
- ▶ Breaks multiple logs of nicked bundles simultaneously
- ▶ Upper platen air bags conform to varying height bundles while applying even pressure throughout break cycle, especially applicable when running multiple rows of nicked bundles
- ▶ Consistent separation of bundles with varying heights or counts
- ▶ Automatic platen offset for running nested bundles (up to 12 inches)
- ▶ Touch screen control for quick setup and fine-tuning
- ▶ Unique “Break & Pull” technology improves cycle speed and separates interleaved bundles without causing sheet or edge damage
- ▶ State-of-the-art PLC controls and enhanced proportional hydraulics for fast, smooth, trouble-free operation

#### REDUCED SETUP TIMES

It takes only minutes to set up the Quik-Break II nicked bundle separator; however, the setup savings don't stop there. When using Quik-Break, the savings are passed along to the stacker and press operations, as multi-out jobs are treated as a single, one up operation and the complications of multi-out setups are eliminated.

- ▶ Larger blanks lead to fewer jams in press and stacker, while easily doubling or tripling throughput
- ▶ Nicked blanks are run as single out
- ▶ No need to perform multi-out setup on stacker or press
- ▶ Simplified breaker operation, sets up in less than 2 minutes
- ▶ Automatic platen offset for running nested bundles
- ▶ When installed with a new RDC stacker, set up information entered on the stacker's touch screen is automatically passed on to the Quik-Break II to eliminate redundant data input



### QUIK-BREAK II BENEFITS

#### Increased throughput, Fewer Jams, More up-time

- ▶ Dramatically increases throughput on Rotary Die-Cutter, Platten Die-Cutter, and Flexo Folder-Gluers
- ▶ Easily double or triple productivity by making multiple blanks with each press feed
- ▶ Maximizes full width of stacker and press
- ▶ Faster cycle times with smooth operation
- ▶ Properly nicked jobs run faster than small single out blanks
- ▶ Reduces Stacker set-up time
- ▶ Low maintenance design with fewer moving parts

#### BREAK AND PULL OPERATION

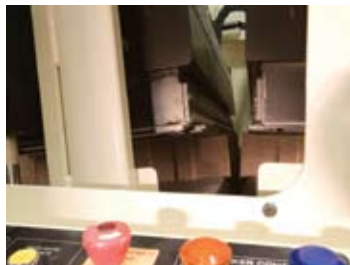
- ▶ Bundles enter the separator in single or multiple rows of nicked bundle logs and travel to the preset separation line.



- ▶ The upper platens lower to secure bundles as the air bags compensate for any bundle height variances



- ▶ The forward platen assembly pivots downward to separate the first bundle



- ▶ The separated bundle is advanced, the platen assembly returns to the ready position and the cycle continues



#### REDUCED WASTE AND EXPANDED VERSATILITY

Quik-Break II's capabilities allow substantial reductions in waste through the optimization of material usage and reduction of damaged product. Quik-Break II also enhances the versatility of the entire die-cutter line by expanding production capabilities and options.

- ▶ Fewer jams in press and stacker - Properly nicked blanks create a larger blank which is typically easier to control and causes fewer jams
- ▶ Nesting die-cuts, by as much as 12 inches, dramatically reduces the material waste and provides new production options
- ▶ Nicking blanks together reduces or eliminates minimum blank size concerns on press and stacker
- ▶ Can separate multi-across bundles in one operation
- ▶ Interlaced scrap or disheveled bundles do not effect operation



#### ENHANCED PRODUCTIVITY FEATURES

The purpose of the Quik-Break II separator is to increase the productivity, efficiency and versatility of the die-cut operation. Each Quik-Break II feature is designed to provide the maximum obtainable, speed, efficiency, precision and ease of operation.

- ▶ Quick response proportional hydraulics
- ▶ Batch mode indexing for increased production speeds
- ▶ Automatic tracking of wide conveyor belt
- ▶ Easy access controls and touch screen interface with built-in diagnostics
- ▶ Automatic bundle height sensing
- ▶ Heavy Duty construction
- ▶ Variable speed belts for smooth transport of tall bundles

#### BATCH MODE

When breaking small die-cuts, Batch mode can dramatically increase the separator's productivity. If the die-cut is shorter than the outfeed platen, finished bundles are only indexed the distance to the next breakline, instead of completely onto the take-away conveyor, dramatically reducing idle time between breaks.



### QUIK-PARK™ (OPTIONAL FEATURE)

Save precious floor space and bring greater versatility to your diecutter line with the Quik-Park conveyor. When your diecutting line is being set up for stack mode, the entry conveyor rises and can be retracted into the breaker's throat for convenient, space-saving storage. When switching back to bundling operations, a simple touch of a switch starts the reverse operation.

