



Geo. M. Martin Company



## **LBX SERIES ROTARY DIE CUT STACKER with SCRUBBER™ Technology**

- ▶ Superior Scrap Removal
- ▶ Outstanding Board Control
- ▶ Integrated Scrap Conveyors
- ▶ Automatic Setup

# GET THE MOST FROM YOUR LBX STACKER

*Safety, Productivity, Convenience*



## Built In Support System

There are over 70 screens with integrated help information available to provide the operator easy-to-use Order Entry as well as basic and advanced maintenance calibration and trouble shooting screens.

## THS - Transfer Hold System

This safety system protects the operator from the moving elements of the Transfer Deck. Should the Light Curtain be broken, the Stacking Deck stops, Feed Interrupt is generated and the Scrubber runs long enough to clear any board in the Die Cutter.



## DAP – Deck Access Package

This provides access to the Transfer Deck with collapsible stairs. The deck construction eliminates the chance of foot falling between belts on the conveyor deck.



## LEC – Lead Edge Catcher

Long flimsy boxes running a heavy shingle may not always have the speed to get the lead edge onto the Backstop lip. This option both guides and supports the boxes from the Backstop.



## Jam Detection System

An array of 6 eyes on the Scrubber and 3 sets along the Stacker monitors the flow of material and will automatically initiate Feed Interrupt if a jam is detected.

## Ventilated Manifold

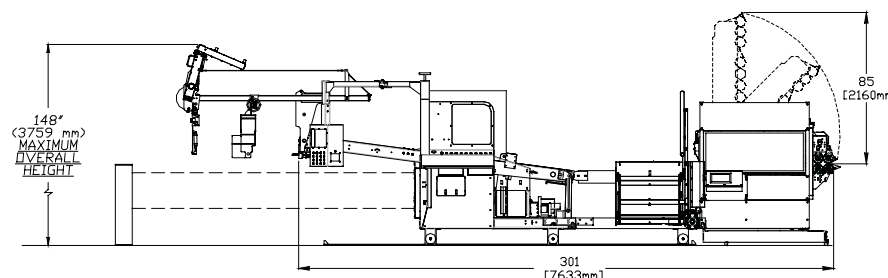
At high speeds with full width die utilization a substantial amount of air must escape between sheets. This system works in conjunction with the Ventilated Backstop.



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# LBX SERIES ROTARY DIE CUT STACKER with SCRUBBER™ Technology

(patent pending)

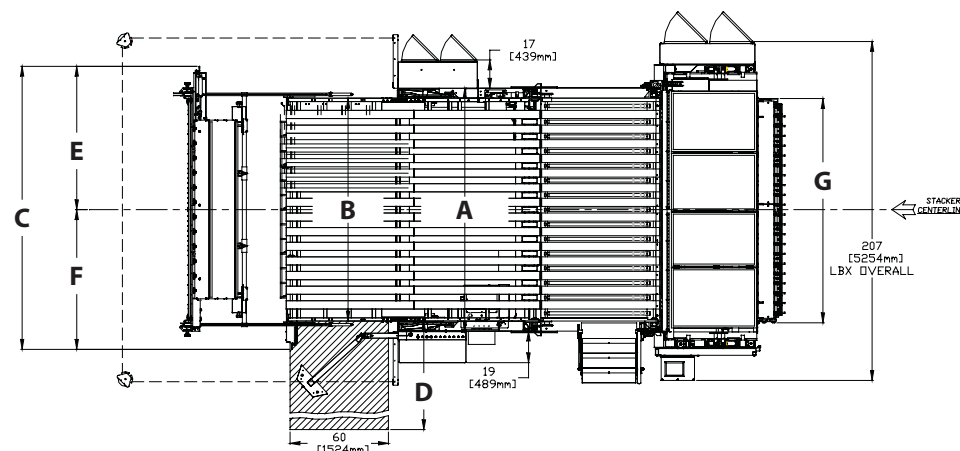


## LBX: SCRUBBER Layboy Infeed Section

### Press Size (Typical)

### Dimension "G"

115" (2921 mm)	114" (2896 mm)
125" (3175 mm)	126" (3200 mm)
130" (3302 mm)	138" (3505 mm)



### Stacker Size

### A

### B

### C

### D

### E

### F

115" (2921 mm)	133" (3378 mm)	121" (3073 mm)	161" (4089 mm)	84" (2134 mm)	85" (2159 mm)	76" (1930 mm)
130" (3302 mm)	148" (3759 mm)	136" (3454 mm)	176" (4470 mm)	94" (2388 mm)	93" (2362 mm)	83" (2108 mm)

Geo. M. Martin is your single source supplier for all your stacker and bundle line needs.  
Die Cut, Press, and Specialty stackers  
Separators, Load formers  
Specialty Bundle Rotators, Inverters,  
Doublers, Squaring Systems  
Stack Inverters, and Pallet Dispensers



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# LBX SERIES ROTARY DIE CUT STACKER

with **SCRUBBER™ Technology** (patent pending)

## Superior Scrap Removal with Unmatched Sheet Control

A high-performance diecutter is only as fast as the equipment behind it. With the Geo. M. Martin LBX Series Rotary Die Cut Stacker behind your high-speed diecutter, you'll maximize the productivity and efficiency of your diecutting line. Whether you're running bundles or single or multi-out die cuts, you'll never have to slow down because the stacker can't keep up. It's wide open all the way.

The superior scrap removal and unmatched sheet control of the LBX Stacker with SCRUBBER Technology virtually eliminates scrap in the load and blank skewing caused by impinged scrap or loss of sheet control through the beater section.

*Perfect, square, scrap-free, shrink wrap or strap ready stacks and bundles at maximum speed!*

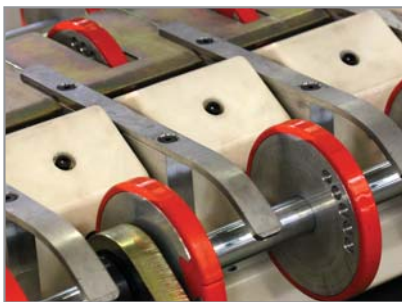
## SCRUBBER™ TECHNOLOGY

### Unmatched Scrap Removal

Your customers don't want scrap in their loads that can cause automated packaging systems to jam. You can't afford to deal with scrap that causes jams and lost productivity in your die cut lines.

**The SCRUBBER's unique design eliminates scrap handling.**

- ▶ Belts have been replaced by multiple rows of staggered wheels that provide ample room for scrap to fall through to the scrap conveyor system.
- ▶ Opposing hexagonal beater bars provide superior agitation for enhanced scrap detachment and removal.
- ▶ Internal brush contains and sweeps scrap from the top of the blank prior to SCRUBBER exit.
- ▶ Opposing final brushes capture and remove any lingering scrap.



# ENHANCED BLANK CONTROL

Positive blank control is a key factor in eliminating jams, creating square loads and maximizing your productivity.

The staggered transfer wheel design and adjustable nip provide optimum control pressure and eliminate crush for all flute calipers.

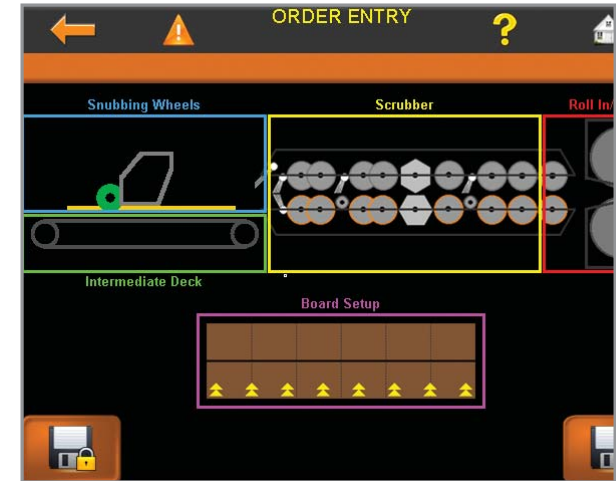
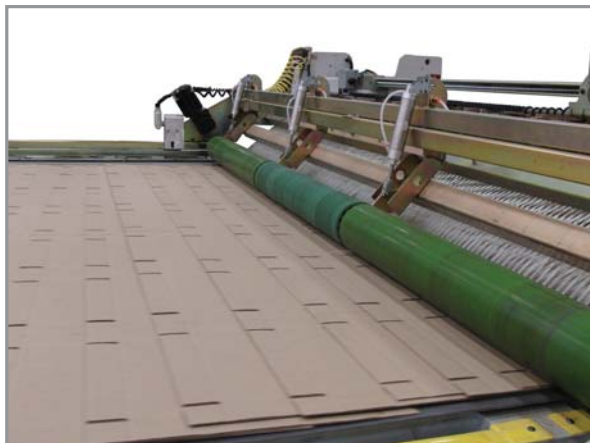
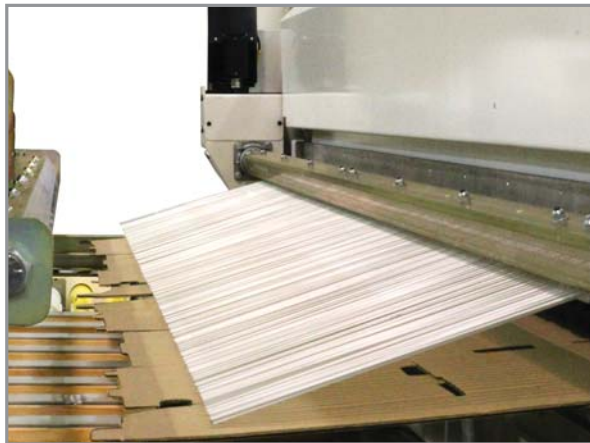
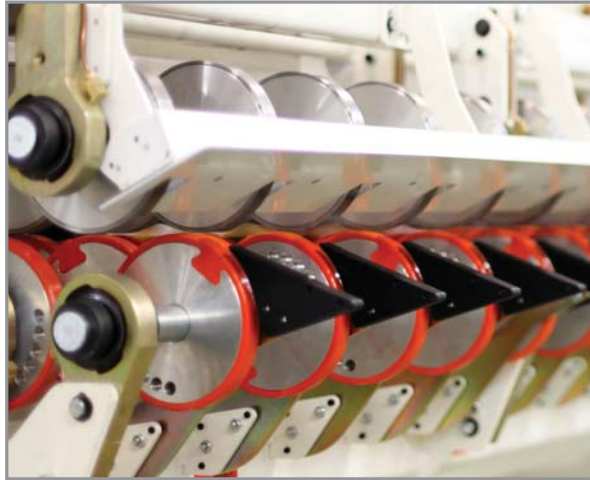
Lead edge and internal board guides prevent diving lead edges that cause jams.

Bottom transfer wheels may be adjusted laterally to provide optimum control of lightweights.

Precision automatic nip positioning within .002".

Full width snubbing roller and shingle brush provide positive control as blanks exit the SCRUBBER. *(option)*

Multi-Up separation without die cut interference. By over-speeding the SCRUBBER's transfer wheels, multi-up blanks are separated for proper shingling. To avoid sheet control interference between the diecutter and SCRUBBER, the nip of the first two rows of transfer wheels open to allow the sheet to completely exit the diecutter before being pulled away by the stacker.



## Full Automatic SCRUBBER Set-up

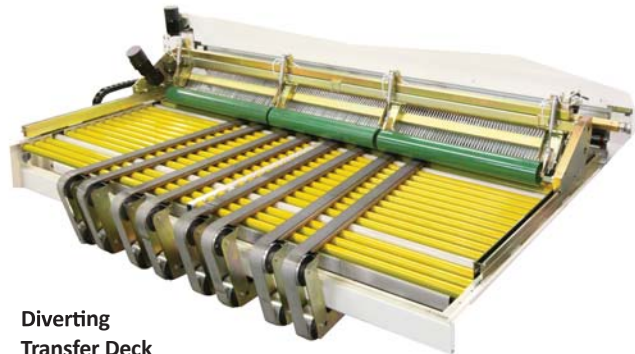
The user friendly color touch screen control system is easy to learn and use. The system allows quick order entry and job storage and recall. All SCRUBBER settings are automatically positioned including:

- ▶ Roll In/Out
- ▶ Die Cut Control Zone
- ▶ Course & Fine Scraper Pressures
- ▶ Beater Bar Top & Bottom Pressure
- ▶ Beater Bar Operation Mode
- ▶ Final Brush Top & Bottom Angle and Pressure
- ▶ Shingle Brush Angle
- ▶ Snubbing Roller Position
- ▶ Transfer Deck Drop
- ▶ Master Wheel-to-Wheel Nip
- ▶ Wheel to Diecutter Speed Ratio



# STANDARD & OPTIONAL FEATURES

## Transfer Decks



Diverting  
Transfer Deck



Straight-Thru  
Transfer Deck



Pivoting  
Transfer Deck

### LBX STACKER:

- ▶ Single and Multi-Up Stacks and Bundles
- ▶ Smart-Stak Order Entry System
- ▶ Integrated Compensator Controls
- ▶ Pozi-Stack front end system with Access style backstops
- ▶ EZ-adjust cross rail for on the run adjustments
- ▶ Air Cushion Nozzle System
- ▶ Inverted Accumulator System with positive extension
- ▶ IES and ZES Controls conveniently located on operator work-station
- ▶ Proportional Hydraulic Unit
- ▶ Batch Building Kit for individual or nicked bundles
- ▶ Soft Stop System – Detects bottom limit for pallets/dunnage sheets
- ▶ LCS-LG II Safety System
- ▶ Straight-thru Transfer Deck

### SCRUBBER:

- ▶ Full opening Upper SCRUBBER Deck with mechanical safety interlocks provides safe, easy access for maintenance and housekeeping
- ▶ Spring-loaded Rollout Guards
- ▶ Automatic Internal Belt Cleanout System
- ▶ Integrated Scrap Conveyor
- ▶ Full Automatic Set-up
- ▶ Built-in Support System

### LBX OPTIONAL FEATURES:

- ▶ Full width, Zero Crush Snubber Roll Assembly
- ▶ Diverting Transfer Deck for 4-Across by 4-Up capability
- ▶ Pivoting Transfer Deck
- ▶ Multi Sensor Jam Detector System
- ▶ Ventilated Manifold
- ▶ LEC – Lead Edge Catcher
- ▶ THS – Transfer Hold System
- ▶ DAP – Deck Access Package



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