

# MBD® Model 3700 Automatic Indexing Block Cutting Bandsaw



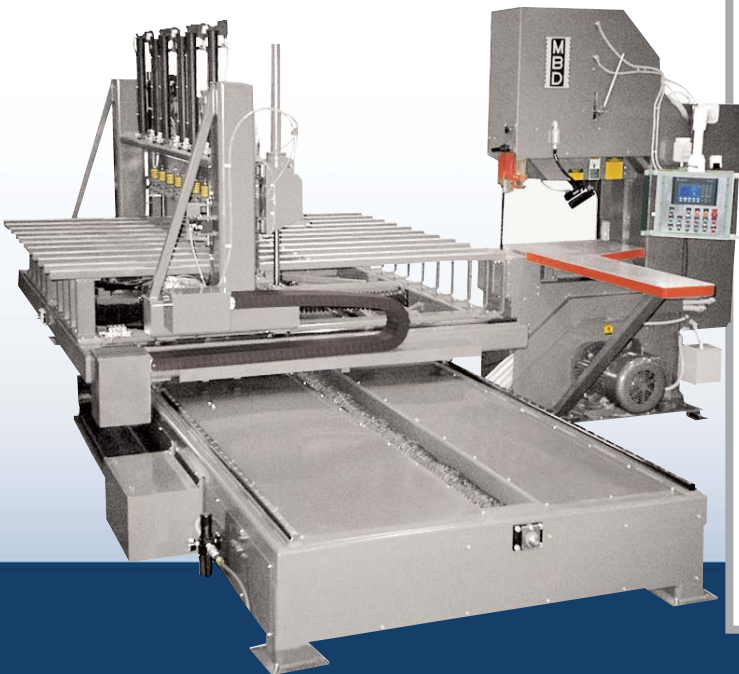
The MBD® Model 3700 Automatic Indexing Block Cutting Bandsawing System efficiently saws straight edge parts from blocks or stacks of rigid materials. It automatically saws parts from plastic, wood, corrugated kraft paper, composites or similar materials. The cutting feed rate is infinitely variable from 50 to 600 in/min., depending on the material, and the cutting feed rate is set at the control panel by the operator. The high feed rate allows the machine to produce a large amount of parts in short order. A 15 HP v-belt drive is standard, but 20 and 25 HP are available. Standard blade speed is 8,500 ft/min.

Automatic operation is possible by adjusting the X-axis limit switch for the required cutting stroke, entering the index increment at the control panel and pushing the cycle start button. The machine will process the entire stack of material and stop at the operator station for removal of last cut scrap. Hit the load command button and the machine will automatically return to the load position.

The clamp beam is adjustable to allow for material from 1/2" high to 20." Retractable stacking posts help in locating the material during loading. The bandsaw and frame is fabricated from arc welded structural steel. The way and slide of the tensioning

and tracking assembly are well-constructed and accurately machined. Adjustments are easily made and hydraulic blade tensioning is optional.

A programmable logic controller regulates machine functions during the entire operation (numeric keypad, 12 legendable functions keys, 8 LED's and a 2 line LCD display, interfaces directly with the PLC). A regenerative DC motor controller provides index positioning for better accuracy to within +/- 0.10," with repeatability to +/- .005," an optional servo motor controller offers positioning to +/- .002" and a repeatability to +/- .001."



## At a glance:

- High productivity with infinitely variable feed rate
- Automatic operation throughout entire sawing process
- Programmable logic controller for reliability
- Rugged construction for continuous operation
- DC motor controller for accurate index positioning
- High accuracy DC motor index positioning (accuracy to +/- .010", repeatability to +/- .005")— servo motor controlled option positioning to +/- .002", repeatability to +/- .001"

## What it is:

Bandsaw that automatically saws straight edge parts

## What it does:

- Automatically saws straight edge parts from stacks or blocks of plastic, wood, corrugated kraft paper, composites or similar rigid materials
- Produces large quantity of parts in short order

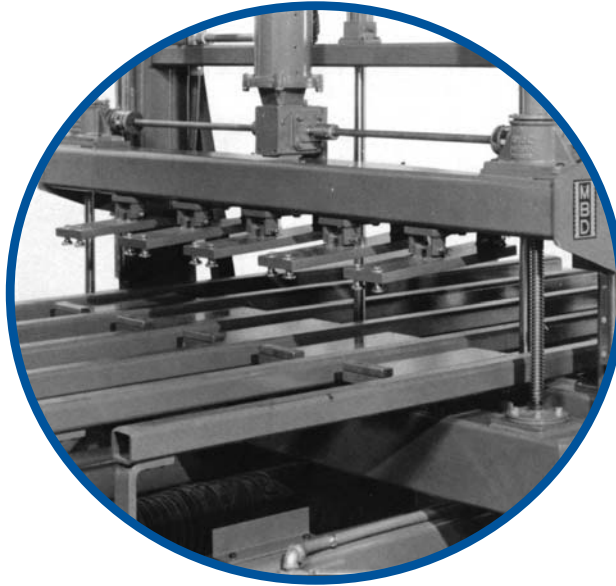


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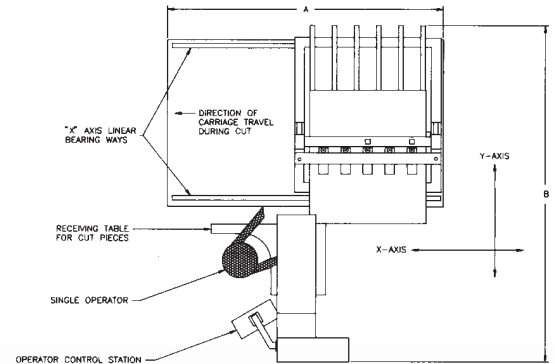
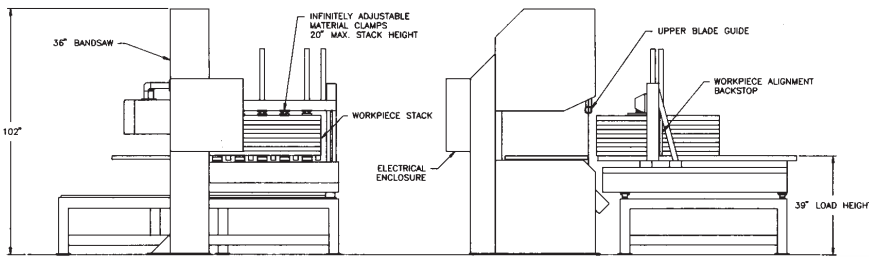
# General Specifications

Model 3700-8 Capacities	
Maximum workpiece stack height*	20"
Maximum workpiece width	48"
Minimum workpiece width	1"
Maximum workpiece length*	100"
Minimum workpiece length	18"
Maximum X-axis travel (cutting stroke)*	102"
Maximum Y-axis cutting index	34"
Maximum workpiece stack weight*	3200 lbs.
Maximum saw band width	1 1/4"
Standard band drive HP	15 HP

\*Larger capacities available refer to chart above.



Clamping assembly with stacking posts in the down position



## Tyler®

- Dovetailer-French
- Router
- Drill Head
- Double End Tenoner
- Undercut Dado Machine
- Multi-Spindle Panel Router
- Panel Feeder
- Hopper Feeder

## MBD®

- CNC Automatic Bandsawing System
- Vertical Industrial 36" Bandsaw
- Resaw Attachment
- Band Resaw
- Block Cutting Bandsaw

## Handy®

- Econo Frame
- Revolving Frame Clamps
- Louvered Door Assembly
- Frame Clamping
- Case Clamping Machines

*Since the manufacturer continuously strives to improve its products, it reserves the right to make changes and modifications without notice. For illustrative purposes only, some machinery may appear without guards or safety devices.*

**Tyler®**



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