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## Clamping Beam Feed with Exit Conveyor (FH3563-100) (FH3563-100)

This Full Head Press Cutting System features 100 tons of available tonnage and a 35" x 63" bed size.



# Features

## Features

A four-post hydraulic press producing 100 metric (110 U.S.) tons of cutting force, with two cylinders mounted over cross members linked end to end with torsion bars. This mechanical balancing system ensures that the maximum cutting force of the press can be delivered anywhere on the bed of the press, and keeps the bed and bridge parallel even under asymmetrical (unbalanced) loads. This hydraulic press can deliver its total force at any point in the down stroke.

## Advantages

- Inboard and Outboard 118" (3M) Long Conveyor Belts – Conveyor belts are used to transport uncut material into the press and transport cut material and scrap out of the press.
- 2 HP Frequency Converter Positioning System, Including Encoder and Data Input Device – Uses an AC motor controlled by the frequency converter. This device varies the voltage and cycles going to the motor to provide a soft start and stop.
- Cutting Force 100 Metric Tons
- Material Unwind Stand with Lazy Loop Control
- Pneumatic Four Position Die Mounting Rails Under the Head – The die rails hold the tooling under the head. They are pneumatically operated and adjustable for easy die board change out.
- Clamping Beam Feed System
- Pad and Pad Shifter
- Exit Side Pneumatic Pinch Roll with Conveyor
- Convertible to Foam Sheet Cutting

## Range of Applications

With the best that America has to offer in worldwide diecutting technology, APMC presses diecut materials such as:

- Foam, textiles, and plastics
- Rubber, packings, and vinyl
- Leather, composites, and fiberglass
- Vinyl and carpet floor tiles
- Cork, wood, and gasket materials
- Filters, abrasives, and shoe components
- Electrical insulation, medical supplies, and sponges
- luggage, toys, etc.

# Options

## Machine Options

- Double slide table- Allows for multiple operators to work at the same time and increase productivity from one single machine.
- Pad Shifter- Mounts on the head of a full press machine and oscillates the polypropylene pad to reduce wear on die, as well as increase material yields.
- Die Mounting rails- Allows for ease of access to die pads and makes changing die pads easier.
- Clamping Beam- Comprising of a fixed position gripper and a secondary moving gripper, clamping beam allows for incremental adjustment for material feed.
- Automated 4 Post Mechanical Stops (Instead of the Manual 4 Post Mechanical Stops) – Mechanical stops are controlled by a motor with an encoder. Low point stops ensure the precise bottom position and parallelism of the head on each cutting stroke.
- Polypropylene Cutting Pad and Oscillating Pad Shifter on the Bed of the Press – The oscillating pad shifter greatly improves the cutting pad life by rotating the cutting pad on a circular path after each cut.
- Double Pumps and Motors – Two motors and hydraulic pumps are used so the press can make more cuts per minute than it would make with one pump and motor.

# Specifications

FH3563-100