

Northfield

Push Feed, Back-Tilted Undertable Cutoff Pack Saw Systems

MODEL 612
Left Hand
6" x 12" Capacity
24" Blade
(not included)

USING THE
TigerStop™
PROGRAMMABLE PUSHER



MODEL 410
Left Hand
4" x 10" Capacity
18" Blade
(not included)

PROFIT THROUGH AMERICAN TECHNOLOGY



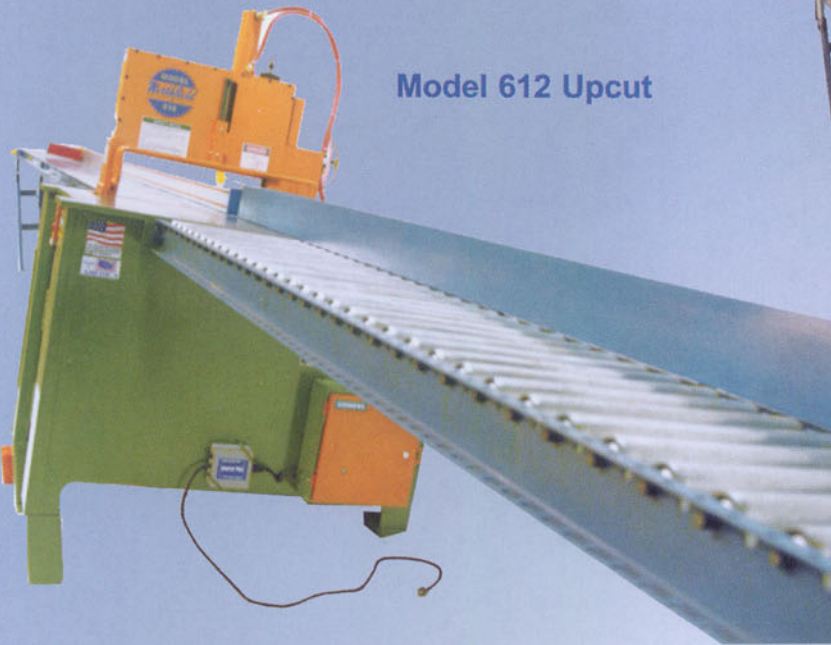
**WOOD MACHINERY
MANUFACTURERS
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Northfield

TigerStop™

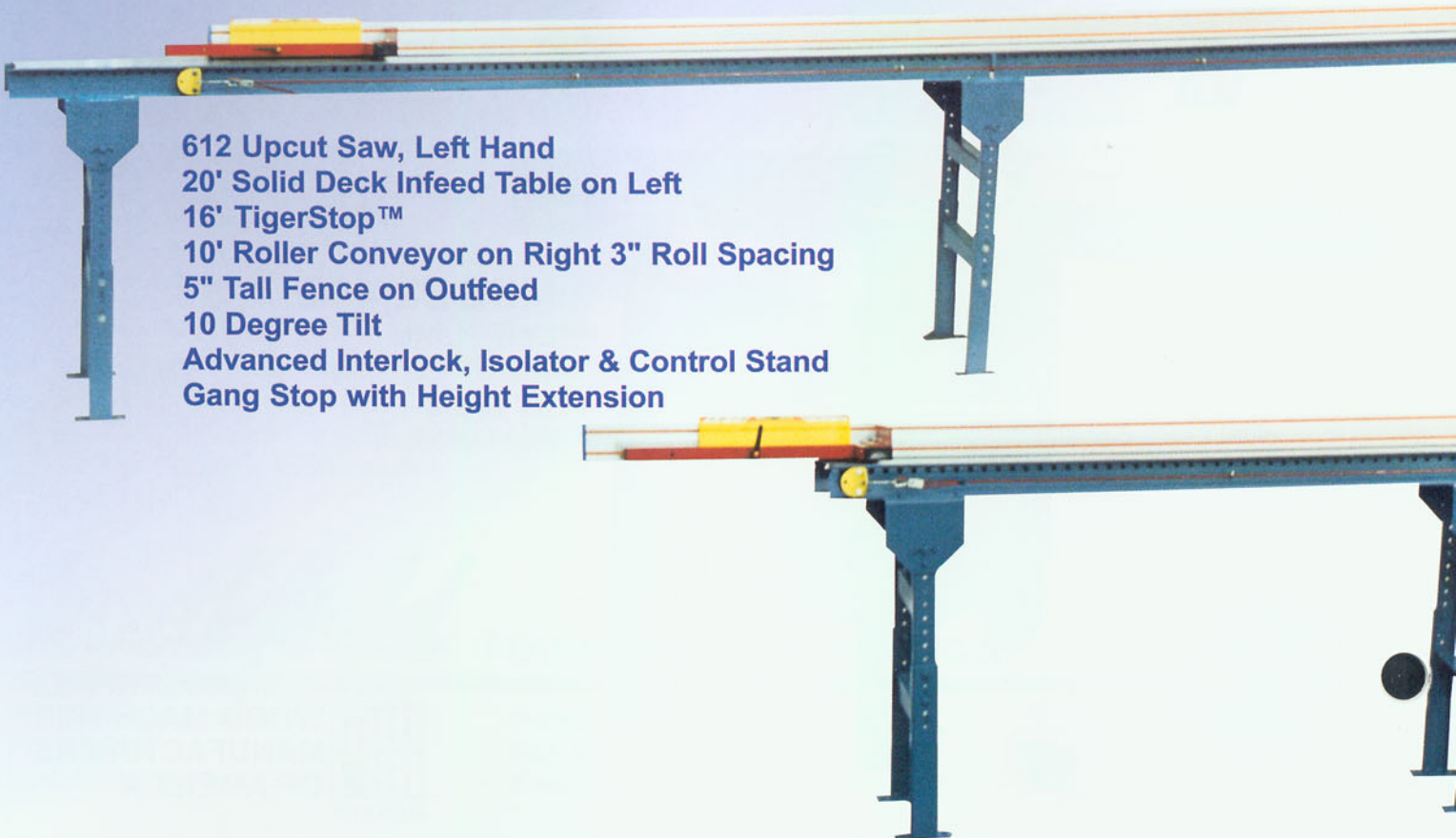
PACK SAW SYSTEMS



Model 612 Upcut



Model 410 Upcut

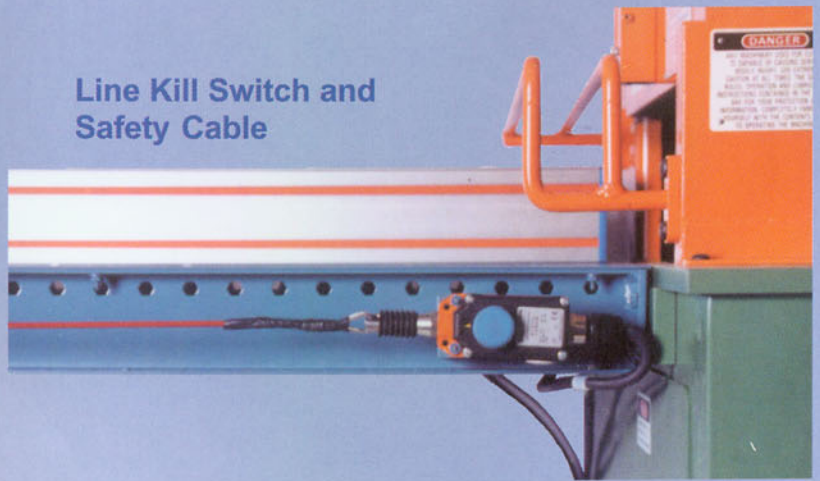


612 Upcut Saw, Left Hand
20' Solid Deck Infeed Table on Left
16' TigerStop™
10' Roller Conveyor on Right 3" Roll Spacing
5" Tall Fence on Outfeed
10 Degree Tilt
Advanced Interlock, Isolator & Control Stand
Gang Stop with Height Extension

Controller Keypad on Stand



Line Kill Switch and Safety Cable



Foot Switch



Gang Stop with Height Extension



410 Upcut Saw, Left Hand
16' Solid Deck Infeed Table on Left
16' TigerStop™
4' Solid Deck Outfeed Table on Right
5" Tall Fence on Outfeed
10 Degree Tilt
Advanced Interlock, Isolator & Control Stand
Gang Stop with Height Extension

General Information on Push Feed Back Tilted Pack Saw Systems

The operator loads a suitable number of pieces of material in front of the pusher arm and hits GO or steps on the foot switch to start the cycle. TigerStop™ pushes the material forward to the saw which begins cutting. After each cut the pusher advances the material to the next position and the saw makes the cut. When all the material is cut, the pusher arm clears the last material from the saw area and retracts to the loading position.

The infeed table is located on the bladeguard side of the saw. This is necessary so the TigerStop™ flipaway stop can get as close as possible to the blade.

The saw and infeed/outfeed tables are inclined at a 10 degree angle to keep the workpiece nested against the fence.

It is recommended to use a solid deck on the infeed table to minimize overshoot of the workpiece when the TigerStop™ positions. Extremely heavy workpieces may require a rolling section away from the saw, but the first 5 feet should be solid deck.

The outfeed table may be either solid deck or rolling. A one piece 5" tall fence that extends across the saw table top to the blade throat plate is used. A 1/2" thick removable shoe extends across the aluminum throat plate to the outfeed side of the blade to prevent end cut pieces from jamming against the end of the outfeed fence.

The table tops of the saws have solid tops with no rollers or thumb recesses. This is necessary to keep workpieces from snagging as they pass to the outfeed table.

The TigerStop™ advanced interlock is necessary to integrate the pusher to the saw. This unit prevents the pusher from positioning when the saw is cycling and the saw from cycling when the pusher is positioning. It also has an adjustable proximity switch mounted under the saw table that allows the blade stroke length to be set to eliminate wasted motion and increase cycle rate.

The TigerStop™ must be one size larger than the workpiece size that is to be loaded. This is necessary to open up the infeed table to get load clearance for the raw material length.

A separate 115 volt 60 hz 1ph circuit is required to power the TigerStop™ isolator and controller.

On saws with independent air cylinders on the upper guard like the 410S, 612 & 1012, the upper cylinder air switch should be used in lieu of the guard side panel mechanical switch. This will give more consistent results when feeding multiple pieces.

The maximum cut width must be determined at time of order as this affects infeed/outfeed table and TigerStop™ placement.

Northfield

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