



FRAMING | SQUARING | SHEATHING | LIGHT GAUGE STEEL | ACCESSORIES



Panels Plus is the leader in North America for semi-automated wall panel and floor cassette equipment. A varied and innovative line of standard products means builders of all sizes can achieve tremendous efficiency results with Panels Plus equipment. In addition, we design and build custom equipment based on our customers specific requirements. We have also added various product lines and accessories based on customer request and market demand.

Panels Plus is one of four employee-owned companies under the parent company, Innovance. Our combined 345,000 square foot manufacturing facilities are located in Albert Lea, Minnesota where you will find engineering and manufacturing professionals working toward one singular point of focus.

Vision Statement: To provide every customer with a completely satisfying experience.



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WOOD WALL FRAMING

Framing Station with Locators

The Framing Station with Locators is designed to hold the plates, subcomponents, and studs squarely in place for fastening. It consists of a framing table with color-coded Projection Plates at 16" and 24" spacing to ensure consistent stud placement.

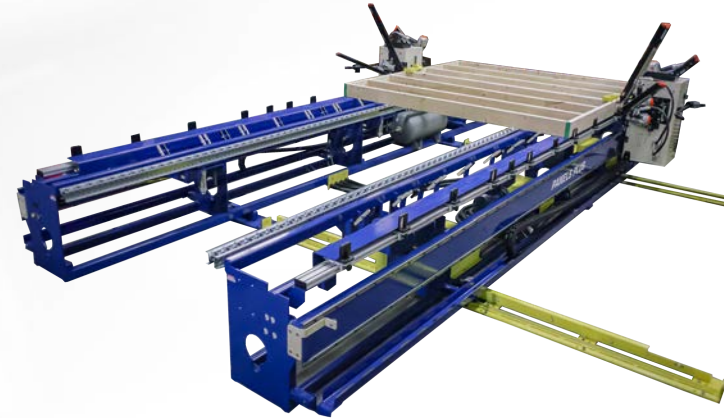
Framing Stations come equipped with indexing tool carriages and can also be purchased without. Indexing tool carriages eliminate the need to fasten wall panels by hand and allow operators to work at a safer ergonomic height.

Benefits:

- Ergonomic working height
- Improved squareness vs. traditional methods
- Superior wall panel consistency

Features

- Framing Table
- Stationary Side
- Telescoping Side
- Projection Plates
- Squaring Edge
- Footswitch & Push-Button Controls
- Pop-Up Conveyors
- Indexing Tool Carriages (2)



Framing Table with Indexing Tool Carriages



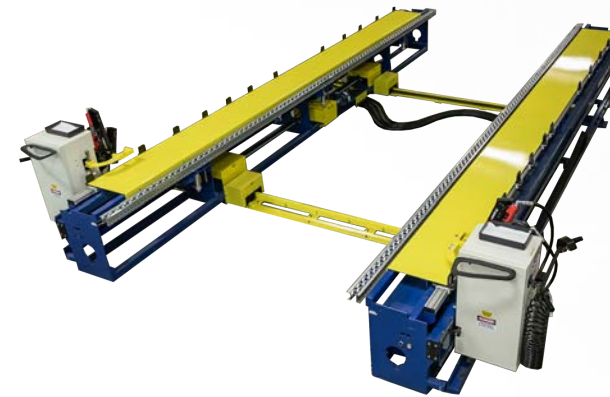
Indexing Tool Carriage



Color-Coded Projection Plates



Adjustable Squaring Edge



Pop-Up Roller Conveyor and Projection Plate



Indexing Tool Carriage



Wide Plate Framing Station With Indexing Tool Carriages



Indexing Tool Carriage

Wide Plate Framing Station

The Wide Plate Framing Station is designed for those using a laser projection system, or a plate-marking saw. The framing table holds the plates, subcomponents, and studs squarely in place for fastening. The projection plates provide a reference for laser projection and offer a larger surface for stud and plate placement.

Framing Stations come equipped with indexing tool carriages and can also be purchased without. Indexing tool carriages eliminate the need to fasten wall panels by hand and allow operators to work at a safer ergonomic height.

Benefits:

- Compatible with a laser projection system and plate-marking saws
- Larger surface for plate and stud placement
- Ergonomic working height
- Improved squareness vs. traditional methods
- Superior wall panel consistency

Features

- Framing Table
- Stationary Side
- Telescoping Side
- Projection Plates
- Squaring Edge
- Footswitch & Push-Button Controls
- Pop-Up Conveyors
- Indexing Tool Carriages (2)

WOOD WALL SQUARING

Squaring Station

The Squaring Station holds the wall panel square while sheathing is tacked in place and rough openings are routed out. The Squaring Station consists of a squaring table with various features including squaring stops to ensure squareness of wall panels. When not using pre-cut sheathing, a handlebar router is used to cut any rough openings.

Benefits

- Ergonomic working height
- Holds wall square while tacking sheathing
- Improved squareness vs. traditional methods

Features

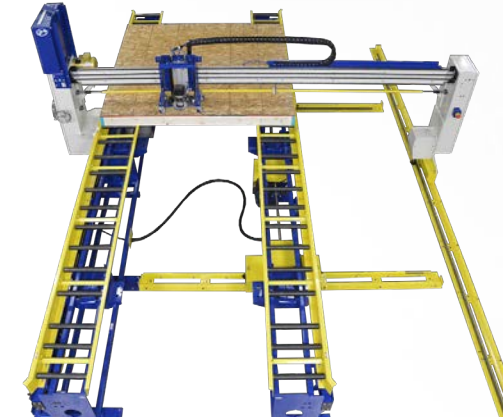
- Squaring Table
- Stationary Side
- Telescoping Side
- Squaring Stops
- Footswitch & Push-Button Controls
- Horizontal Rollers



Wood Wall Squaring Station Without Wall Panel



Wood Wall Squaring Station With Wall Panel



Squaring Table with Stationary & Telescoping Sides



120v or 230v Router



Footswitch



Wood Wall Panel Against Squaring Stops

Squaring and Routing Station

The Squaring and Routing Station incorporates a manual X-Y router bridge with the Panels Plus Squaring Station. This model is designed to hold wall panels square while sheathing is tacked in place and rough openings are routed out.

The router bridge turns a 2-person job into a 1-person operation. The manual X-Y router bridge features two hand cranks. The bridge is equipped with a pendant to drive the bridge into position and has an auto-return feature to return the bridge to its home position with the push of a button. The manual X-Y router bridge is available in 120v or 230v 3ph.

Benefits

- Ergonomic working height
- Single person operation
- Router bridge easily cuts out rough openings

Features

- Squaring Table
- Manual X-Y Router Bridge
 - Handheld Control Pendant
 - Hand Cranks
- Stationary Side
- Telescoping Side
- Squaring Stops
- Footswitch & Push-Button Controls
- Horizontal Rollers

WOOD WALL SHEATHING

Single Beam Sheathing Station

The Single Beam Sheathing Station offers flexibility in fastener spacing both in the field, on seams, and while stitching the top and bottom plates. This Sheathing Station consists of a squaring table and single beam bridge equipped with a tool carriage and stitchers to fasten sheathing to wood wall panels.

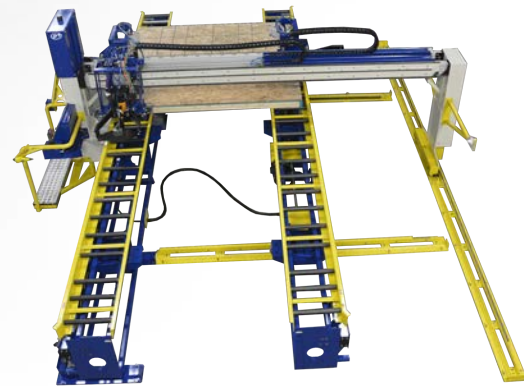
The tool carriage travels across the wall inserting fasteners at the spacing set by the operator. The stitchers will automatically insert fasteners through the sheathing into the top and bottom plates at your chosen spacing during the auto-return process. The bridge has 9 programmable presets for fastener spacing and 9 for wall height.

Benefits

- Ergonomic working height
- Flexibility with fastener spacing
- Fastens consistently and accurately
- Reduces the risk of “shiners”

Features

- Squaring Table
- Single Beam Bridge
- Tool Carriage
- Joystick
- Plate Stitchers
- Operator Platform
- Touchscreen
- Stationary Side
- Telescoping Side
- Squaring Edge
- Footswitch & Push-Button Controls
- Horizontal Rollers



Single Beam
Sheathing Station



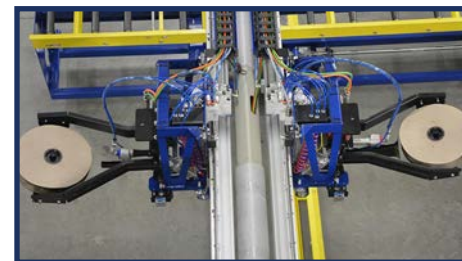
Touchscreen & Joystick



Sheathing Station With
Operator Platform



Tool Carriage



Dual Beam Bridge



Dual Beam
Sheathing Station



Touchscreen & Joystick



Tool Carriage

Dual Beam Sheathing Station

The Dual Beam Sheathing Station offers flexibility in fastener spacing both in the field and on the seams. This Sheathing Station consists of a squaring table and a dual beam bridge equipped with two tool carriages to fasten sheathing to wood wall panels.

The dual beam bridge allows two tool carriages with different fasteners to be mounted simultaneously for fast changeover between fasteners. The tool carriage travels across the wall inserting fasteners at the spacing set by the operator. The bridge has 9 programmable presets for fastener spacing and 9 for wall height.

Benefits

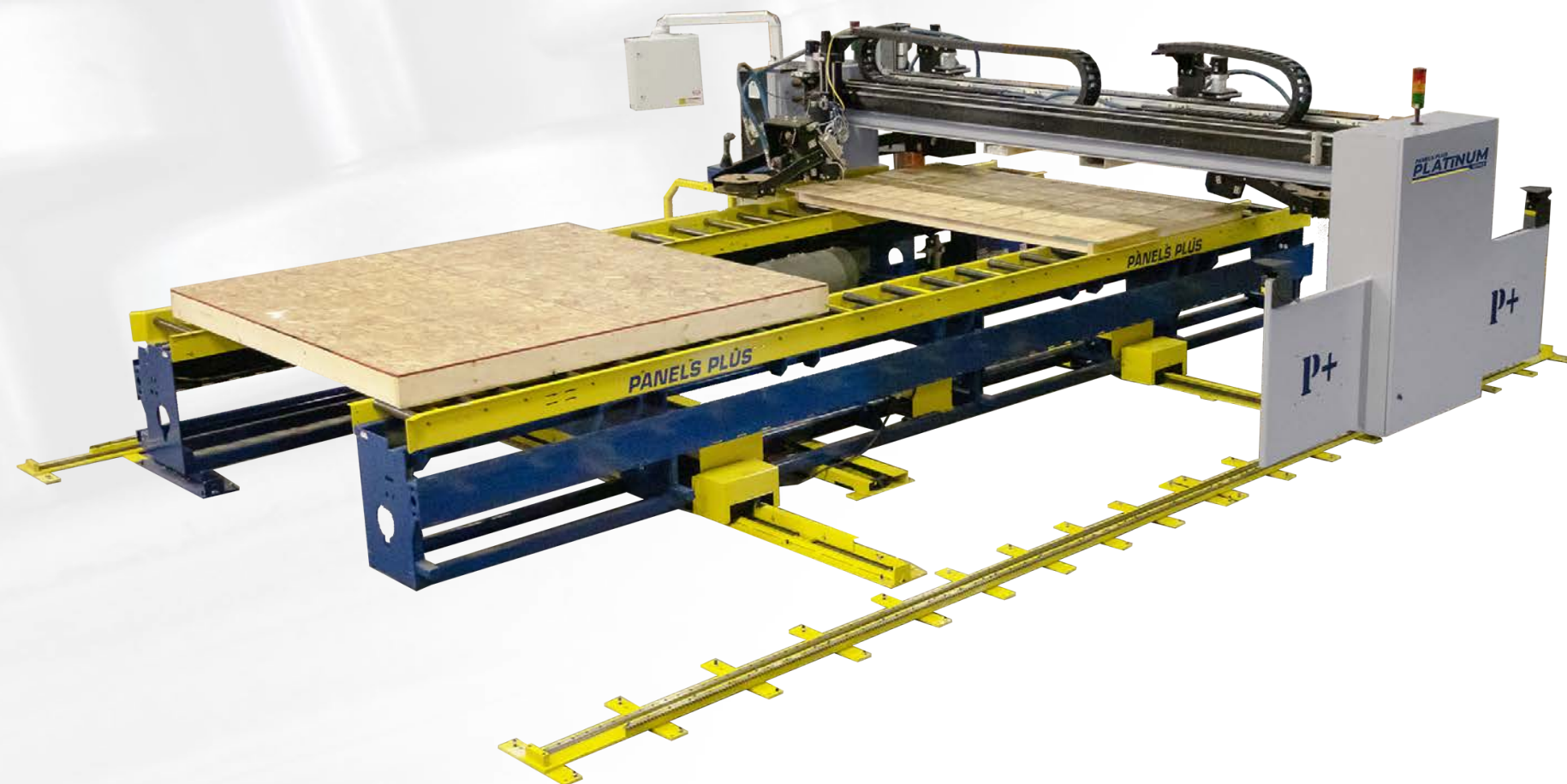
- Ergonomic working height
- Flexibility with fastener spacing
- Fastens consistently and accurately

Features

- Squaring Table
- Dual Beam Bridge
- Tool Carriages (2)
- Joystick
- Operator Platform
- Touchscreen
- Stationary Side
- Telescoping Side
- Squaring Edge
- Footswitch & Push-Button Controls
- Horizontal Rollers

NEW PRODUCT

PLATINUM SERIES AUTOMATED SHEATHING BRIDGE



The Platinum Series Automated Sheathing Station is the most automated model of sheathing station that Panels Plus offers. The system's automated processes reduce the amount of time an operator needs to be hands-on during the sheathing process.

The single beam bridge is driven using information received from MiTek's ShopNet™ software to completely fasten sheathing to studs, blocking, headers, and sill plates. This model also features automatic crown adjustment to ensure quality panels every time.

The tool carriage travels across the wall inserting fasteners into the studs at the spacing set by the software. The plate stitchers will automatically insert fasteners through the sheathing into the top and bottom plates, headers, and sills. When ran in manual mode, the bridge has 9 programmable presets for fastener spacing and 9 for wall height.

Benefits

- Increased automation
- Compatible with MiTek's ShopNet™ software
- Automatic crown adjustment
- Fastens consistently and accurately
- Flexibility with fastener spacing
- Can be ran in manual mode

Features

- Squaring Table
- Single Beam Bridge
 - Touchscreen with updated interface & software
 - Tool Carriage
 - Joystick (for manual mode use)
 - Plate Stitchers
 - Operator Platform
 - Safety Scanners
- Stationary Side
- Telescoping Side
- Squaring Edge
- Footswitch & Push-Button Controls
- Horizontal Rollers



Operator Platform



Single Beam Bridge



Touchscreen with updated
interface & software



Single Beam Bridge



Learn more about this
new product!

LIGHT GAUGE STEEL FRAMING & SHEATHING

Light Gauge Steel Framing Station

The Light Gauge Steel Framing Station consists of a steel framing table and two screw tool carriages. The steel framing table holds the cold-formed steel C channels and tracks squarely in place for fastening.

One screw tool carriage is attached to each side of the steel framing table. Each screw tool carriage holds two screw tools (sold separately). This semi-automated system inserts a screw into the top and bottom of the track and into the studs via push-button controls. The screw tool carriages eliminate the need to fasten steel wall panels by hand.

Benefits

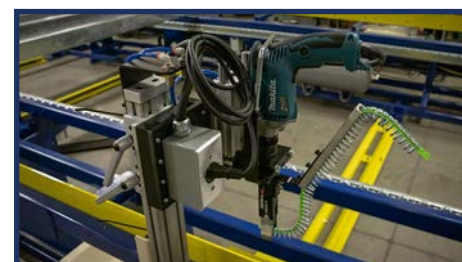
- Ergonomic working height
- Improved squareness vs. traditional methods
- Superior steel wall panel consistency

Features

- Framing Table
- Screw Tool Carriages (2)
- Stationary Side
- Telescoping Side
- Squaring Edge
- Squaring Stops
- Footswitch & Push-Button Controls
- Pop-Up Conveyors



Framing Table with Screw Tool Carriage



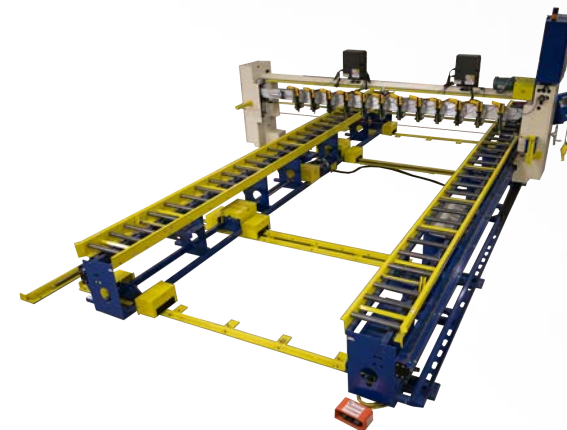
Screw Tool Carriage



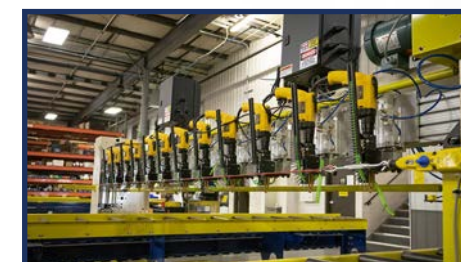
Light Gauge Steel Framing Station



Push-Button Controls



Multi-tool Sheathing Bridge



Electric Screw Tools



Footswitch



Handheld Control Pendant

Light Gauge Steel Sheathing Station

The Light Gauge Steel Sheathing Station offers flexibility in wall height and sheathing thickness. Screw spacing is preset. This specialized Sheathing Station screws sheathing to steel wall panels. The Steel Sheathing Station is equipped with a squaring table and multi-tool steel sheathing bridge.

The multi-tool sheathing bridge is equipped with a handheld control pendant that assists with moving the bridge to the next screw placement. There is also a hand crank wheel for fine-tune movement. The multi-tool sheathing bridge uses electric screw tools to screw sheathing to the steel wall panels at preset fastener spacing (screw tools not included).

Benefits

- Ergonomic working height
- Single person operation
- Flexibility with fastener spacing
- Fastens consistently and accurately

Features

- Squaring Table
- Multi-tool Sheathing Bridge
- Electric Screw Tool Mounts
- Handheld Control Pendant
- Hand Crank Wheel
- Touchscreen
- Stationary Side
- Telescoping Side
- Squaring Edge
- Footswitch & Push-Button Controls
- Horizontal Rollers

WOOD WALL COMBO STATION

FLOOR CASSETTE STATION

The Combo Station is an all-in-one system that frames, squares, and sheathes wall panels. The Combo Station is designed for low-volume, entry-level operations. It consists of a combo table, single tool sheathing bridge, and indexing tool carriages.

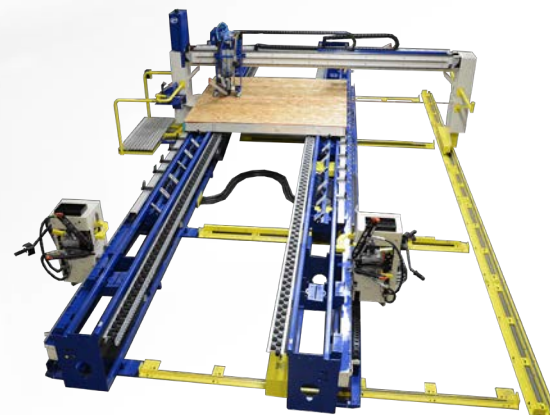
The combo table is available with either Projection Plates or wide projection plates for stud placement. The Combo Station comes equipped with indexing tool carriages and can also be purchased without. The tool carriage attached to the single beam bridge travels across the wall inserting fasteners at the spacing set by the operator. The bridge has 9 programmable presets for fastener spacing and 9 for wall height.

Benefits

- Ergonomic working height
- Improved squareness vs. traditional methods
- Superior wall panel consistency
- Flexibility with fastener spacing
- Fastens consistently and accurately

Features

- Combo Table
- Single Beam Bridge
 - Tool Carriage
 - Joystick
 - Touchscreen
- Indexing Tool Carriages (2)
- Stationary Side
- Telescoping Side
- Squaring Edge
- Footswitch & Push-Button Controls
- Pop-Up Conveyors



Single Tool Sheathing Bridge
& Operator Platform



Indexing Tool Carriage



Color-Coded Projection Plates
& Pop-Up Roller Conveyors



Sheathing Bridge
Tool Carriage



Clamping Table



Joists Placed on Table



Footswitch & Push-Button
Controls



Color-Coded Joist Locators

The Panels Plus Floor Cassette Station is designed to hold joists in a square position for fastening decking. Dimensional lumber, I-joists, and open web floor truss configurations are all compatible with this floor cassette table.

The Floor Cassette Station consists of a clamping table with color-coded joist locators that can be spaced based on the customers' needs. When the floor cassette is completed, the floor cassette can be raised up on pop-up conveyors and either manually rolled out or picked up by an overhead crane.

The Floor Cassette Station is developed at a lower working height, so fall protection is not required when fastening decking.

Benefits

- Holds floor cassettes square
- Floor cassettes pop up on completion and can be rolled out or picked up with a crane

Features

- Clamping Table
- Stationary Side
- Telescoping Side
- Joist Locators
- Squaring Edge
- Footswitch & Push-Button Controls
- Pop-Up Conveyors

PNEUMATIC TILT TABLE

The Pneumatic Tilt Table allows operators to easily access both sides of the wall panel. It offers an ergonomic design that pneumatically tilts the panel for easy access to either side of the wall panel. The Tilt Table is compatible with both wood and light-gauge steel wall panels.

With single person operation, the Tilt Table pneumatically lifts the wall panel from lying flat to a 75-degree angle. It also provides the ability to easily access all sides of the wall panel, including the backside. This allows the operator to inspect the wall panel or to install horizontal blocking.

Benefits

- Ergonomic design
- Single person operation
- Provides working access to either side of wall panel

Features

- Pneumatic Lift Cylinders
- Movable Work Pedestal
- Horizontal Rollers



Fully Tilted Table



Pneumatic Lift Cylinders



Table Lock Mechanism



Movable Work Pedestal

SUBCOMPONENT TABLE

The Subcomponent Table is designed for building rough opening sections. It features pop-up rollers, a squaring edge, and a manual telescoping side to easily adjust and set the wall height.

The pop-up rollers on the Subcomponent Table make it easy to transition subcomponents from the table to your desired location or down the production line. It is developed at an ergonomic working height, eliminating the need to continually kneel or hunch over to build subcomponents.

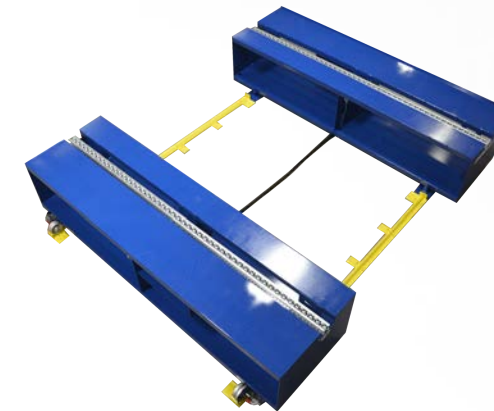
The Subcomponent Table is available in two different versions, a 12' and 18'. The 18' table can also be used for hand framing interior lines in addition to building rough openings.

Benefits

- Ease of moving product down the production line via pop-up rollers
- More than 1 person can work at a station
- Ergonomic working height

Features

- Manually Telescoping Side
- Squaring Edge
- Pop-Up Rollers
- Push-Button Controls



Subcomponent Table



Squaring Edge



Pop-Up Rollers



Table Lock Mechanism



ACCESSORIES

Swing Gates

Swing gates bolt onto either end of the Panels Plus stations and allow subcomponents and wall panels to roll freely from station to station without having to be lifted.

The swing gates allow walk-through passage between stations and swing back after someone walks through. This prevents product from dropping between the stations. The Swing Gates allow operators to move from one side of the line to the other without having to walk around the entire system line.

Benefits

- Easily transport subcomponents and wall panels between stations
- Walk-through passage between stations



Handlebar Router

The Handlebar Router is a low-cost option for those who don't want to purchase a routing bridge.

The Handlebar Router is used in conjunction with the Squaring Station and Combo Station. Two operators hold the handlebars on either end to cut out rough openings.

The extended control arm allows operators to reach panel edges without having to climb on top of the panel. This product features a 3.25 HP router with a plunge bit. The Handlebar Router has router power control on both ends, so both operators are able to turn the router on and off.

Benefits

- Lightweight and ergonomic design
- Router control on both ends
- Low-cost routing option



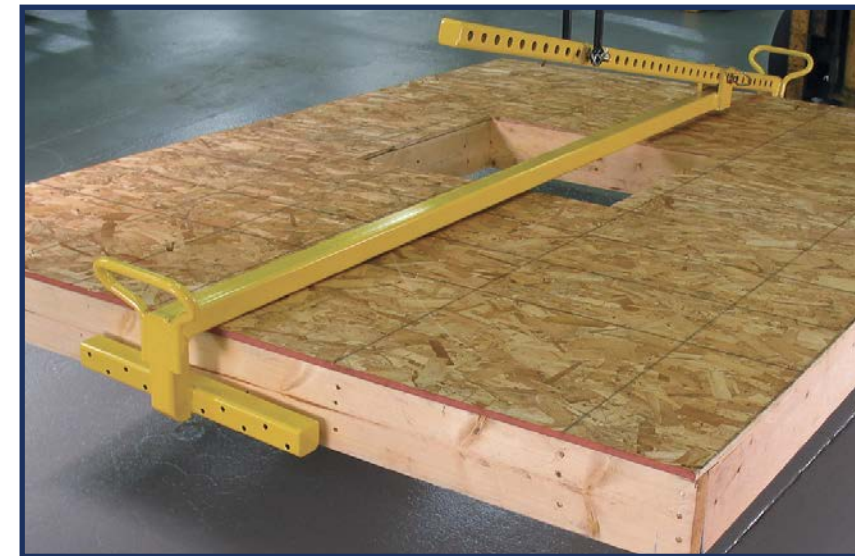
Panel Lift

The Panel Lift is used to lift panels at the end of the production line and stack them for shipment. The center lift connection allows for balanced lifting with a ceiling hoist or forklift.

The lift arms can be easily adjusted for varying panel heights by moving a single pin, lifting 7' to 12'4" panels. The panel lift also features end handles for convenient grasping points for the manual movement of panels.

Benefits

- Easily adjusted for varying wall heights
- Lift handles allow easy manual panel movement



Roller Conveyors

Roller Conveyors transport subcomponents and wall panels between stations with ease. The Panels Plus roller conveyors are placed between stations to transport subcomponents and wall panels between the various stations.

In addition to moving product down the production line, roller conveyors act as a buffer zone between stations while other panels are being constructed. They can also be placed at the end of a production line to hold wall panels while they await stacking for shipment.

Roller conveyors are stationary and can be manually adjusted to match the height of your station or system, making it easy to transition subcomponents and wall panels to your desired location. They can also be placed back-to-back to extend your buffer zone.

Benefits

- Easily transport subcomponents and wall panels
- Buffer zone between tables
- Ergonomic Height





We Nailed It



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