

Kitchen Countertop Laminating Machinery and Systems

Precisely engineered machinery.

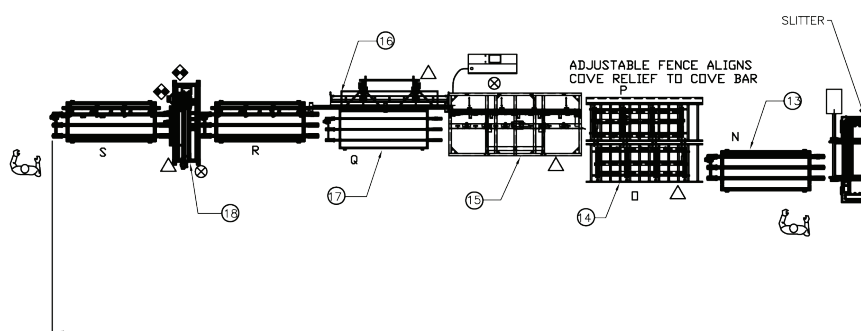
COUNTERTOP MANUFACTURING SYSTEMS

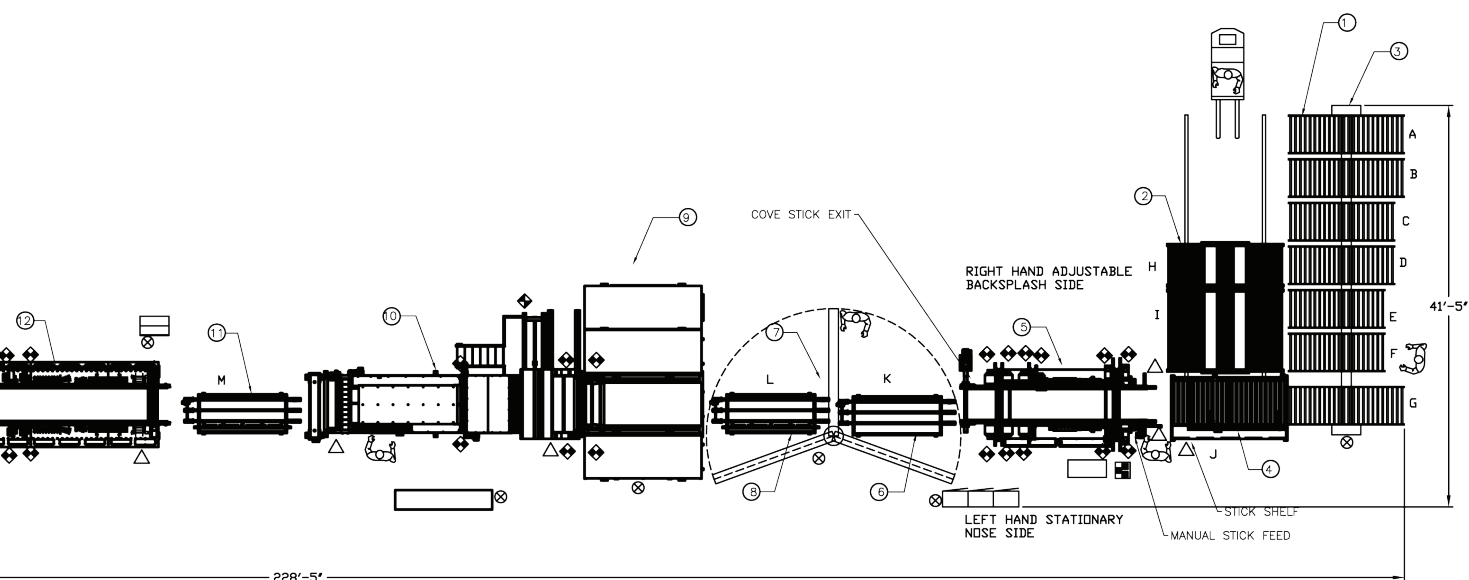
For over 50 years, Evans Midwest has designed, manufactured, installed and serviced kitchen countertop postforming and laminating systems around the world. The line pictured, utilizes water based adhesive technology and can produce up to three countertops per minute.



Domestic Parts and Service
Dependable, Uninterrupted Service

Engineering floor plan drawing





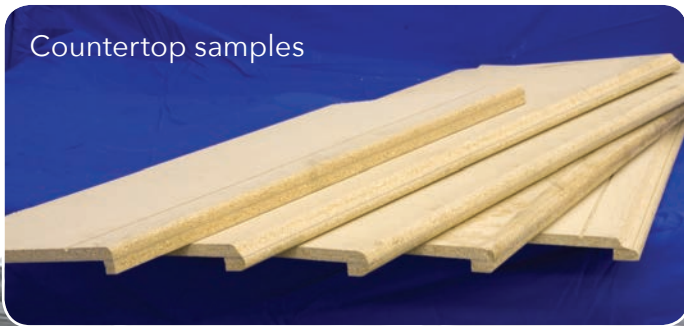
COUNTERTOP CORE BUILDING MACHINES

Corfab Machines Models CF 1540/1545/1555

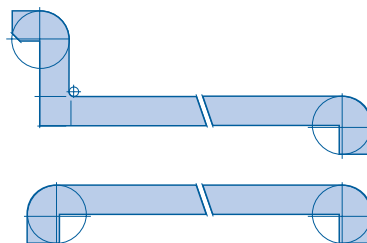
Evans Midwest Corfab machines are used in the preparation of the countertop core, starting with a raw particle board panel, and ending in a machined countertop core ready for laminating.

The system includes a Nordson® Hot Melt Applicator sized to production requirements. Corfab models can be configured with pneumatic and electronic positioning units to minimize set up time.

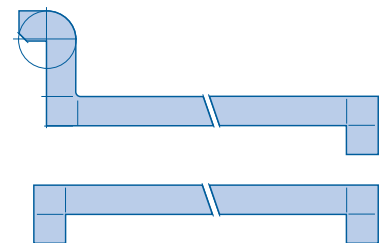
Countertop samples



Typical countertop profiles



Where simplicity in design is required
without a square edge look.

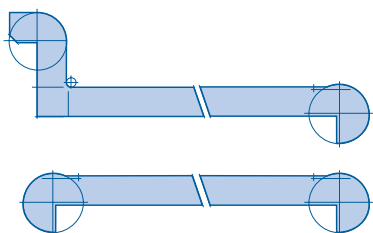


Self edge profile with 'coved' backsplash.

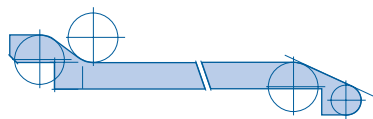


Corfab CF 1545
Shown with optional PF 1512 Panel Feeder

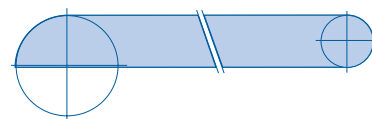
Evans Midwest has been designing and manufacturing machines for the postformed laminate kitchen countertop industry since the early 1970s. Evans Midwest offers the widest variety of core fabrication, laminating, postforming, coving and cutting machines in the world today, with thousands in operation all over the world. Whether you need to produce a few countertops each day or thousands, Evans Midwest engineers will design a custom system for your unique application.



A profile that blends functional features with European elegance.



"Comfort Edge" profile with European backsplash.



Flat panel with profiled edges.



COUNTERTOP GLUING SYSTEMS

CL 1400/1700 SBS Waterbase Laminating System With two side-by-side glue spreaders

Designed to apply fast-setting, waterbased PVA adhesives to the core and laminate utilizing two specifically designed side-by-side glue spreaders for 100% glue transfer efficiency. Ideal for high volume production requirements up to two countertops per minute.

Available in 4 and 5 foot widths.

System includes

- Chain driven power roller conveyors
- Individual side-by-side glue spreaders for core and HPL
- Two infrared drying tunnels (Core & HPL)
- Free-standing "console" type electrical enclosure with push button controls
- Variable line speed with digital display

Core Spreader Includes

- Large diameter (10 inch) spreading rollers
- Segmented lower roller
- Cast iron support columns
- Direct drive application rollers
- Glue feeding system with dual diaphragm pump
- Semi-automatic cleaning system
- Caster kit for ease of cleaning
- Infeed and outfeed protective guards with interlocks

HPL Spreader Includes

- Large diameter (10 inch) spreading rollers
- Cast iron support columns
- Direct drive application rollers
- Glue feeding system with dual diaphragm pump
- Self-cleaning balance roller
- Specially designed application roller with pneumatic pump
- Caster kit for ease of cleaning



Control Panel



Console style electrical enclosure
with separate controls for core and laminate

Auto Level Sensor



Optional automatic level sensing control to ensure
continuous adhesive supply to spreaders

Benefits include high output systems; precision adhesive application with 100% transfer efficiency; zero VOC emissions or hazardous waste; superior adhesive bond at a reduced cost.



Super heavy duty glue spreaders with large diameter rollers and cast iron roller supports for precision adhesive application and years of trouble-free, reliable, dependable service.



Panel Cleaner

Optional equipment

- Core and laminate cleaners
- Ionization unit for HPL
- Automatic adhesive level sensing
- Laminating index systems
- Pinch roll presses
- Side shift systems for running "no-drip" style counter tops

HPL Cleaner



Special panel cleaner with cross belt design



Special HPL cleaner with ionization unit, brush and vacuum pump



POSTFORMING MACHINES

UF 2000 Ultraform Postformers

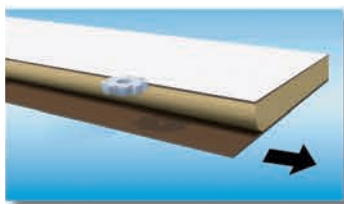
The UF 2000 is an extremely rugged, feed-through machine designed for high volume, multi-shift operations. Available in single and double-sided models, up to 30 feet in length. The modular design of the UF 2000 allows the machine to be configured to specific production requirements.

Optional automatic, electronic and pneumatic positioning systems using state-of-the-art PLC controls reduce costly set up time, and can reduce operator labor. Optional infeed and outfeed, high frequency trimming, finishing, and slitter saw units are available to produce completed components without additional labor.

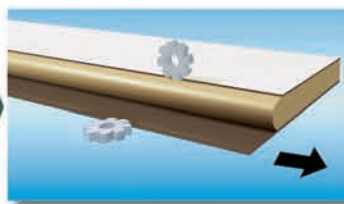
UF 2000D-25 Double-sided Postformer shown with PVA edge spray, infrared heating, forming/compression rollers, outfeed trimmer, and slitter saw.



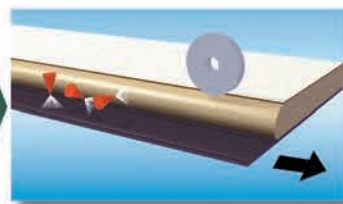
How it works



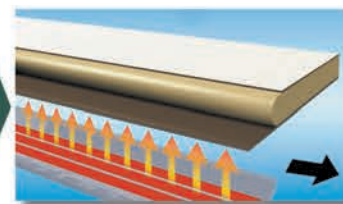
Infeed Trimming
90° Profile



Infeed Trimming
180° Profile



Adhesive Application



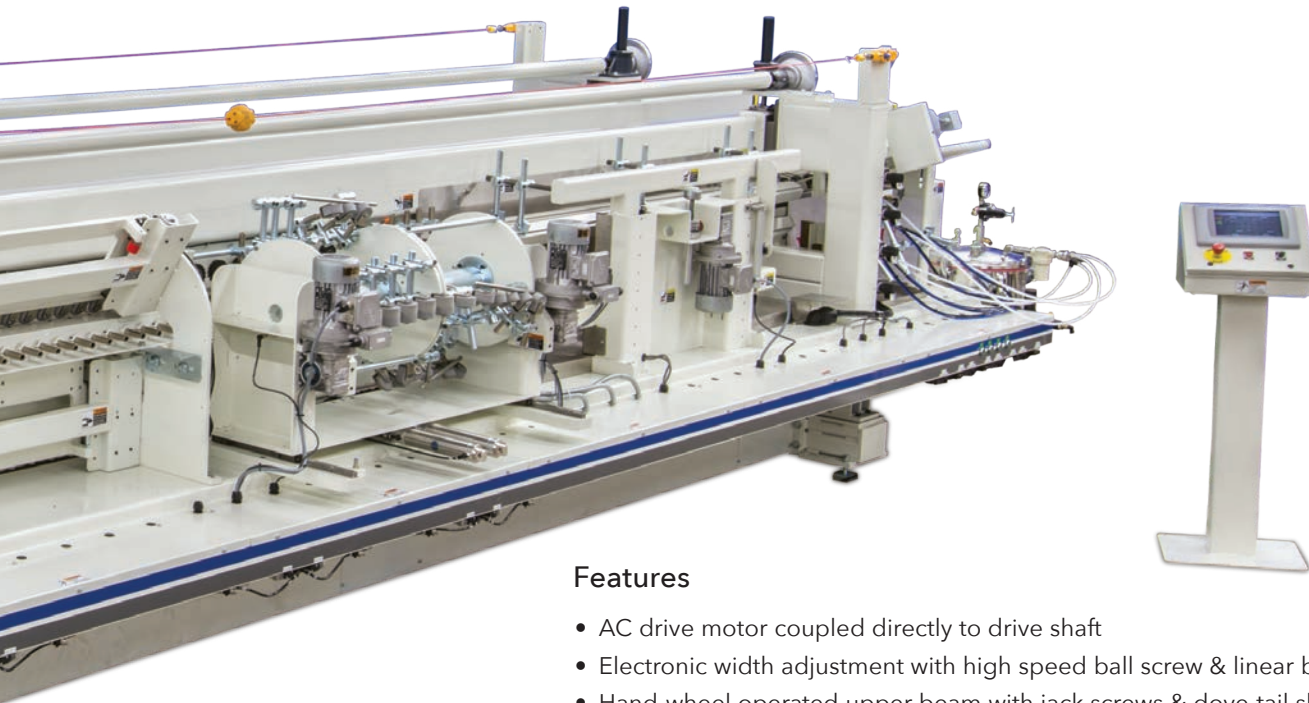
Heating Laminate

Note: Illustration is shown upside-down for clarity.



0110 Postformer

The 0110 Postformer produces counter tops of uniform quality and forms most radiuses without time consuming adjustments. The 0110 features a pneumatic assisted heater that speeds up your production and cuts down on operator fatigue. This model features an adjustable leaf that allows the operator to easily set the leaf spacing for the build down from 1/2" to 1 1/2". The forming and adherence of the laminate to the core is a single step operation. Reducing steps saves manufacturers valuable time and allows peak operating efficiency. (Through-feed postformers also available).

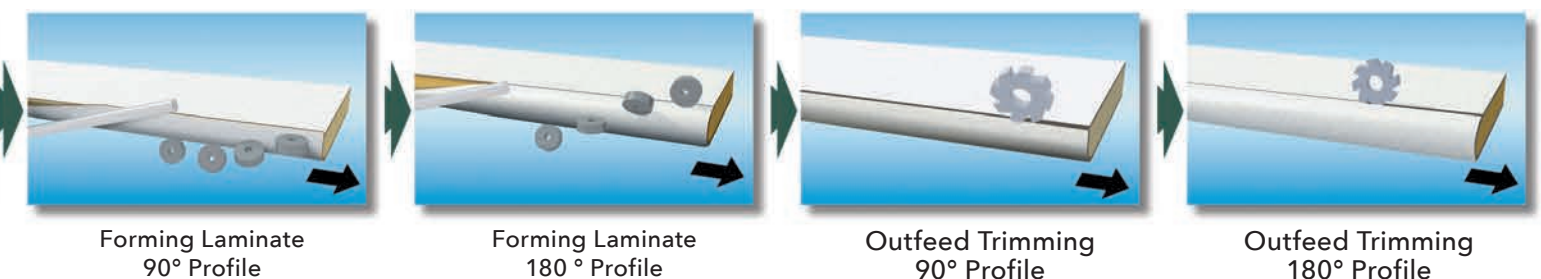


Features

- AC drive motor coupled directly to drive shaft
- Electronic width adjustment with high speed ball screw & linear bearings
- Hand-wheel operated upper beam with jack screws & dove-tail slides
- PLC controlled sequence of operation
- Electronic motor brakes

Options

- In-feed high-frequency, vertical & horizontal trimming units
- Hot air gun kits with self contained blower
- 90° & 180° "turret" style forming roller assemblies
- Automatic, electronic and pneumatic positioning systems to reduce set-up



BACKSPLASH COVING MACHINES

The Evans Midwest family of AutoCove™ machines is uniquely designed to postform the inside radius of a kitchen countertop or vanity top with a coved backsplash, in high volume production environments. The key to producing a quality backsplash is a rigid frame and rear fence, uniform contact of the countertop to the heating element, and a concentric forming bar to prevent stretching. The AutoCove™ Coving machine is designed to meet these specific objectives. Evans Midwest machines have been used extensively in the kitchen countertop industries for over 50 years. We help you laminate better, increase productivity, and improve quality.

Autocove AC 3120

The AC 3120 is the perfect machine for the medium size kitchen countertop manufacturer designed to produce up to one countertop per minute, or 5,000 linear feet per shift.

The pneumatic deck lift & clamp system, electronically controlled heat bar, cove-stick feeding/clamping system, and unique two-stage forming mechanism ensure a true 90° backsplash every time.

Optional powered infeed conveyor and automatic loading system maximizes through-put without additional labor.



Features

- Heavy-duty frame with additional cross support beams to reduce flexing
- Rigid rear fence assembly with large diameter jack screws and seven (7) contact points
- Pneumatic lift and clamp system with air bladder and hold-over cylinders to ensure countertop contact with rear fence and cove bar assembly
- Aluminum cove bar assembly with electronic temperature controls
- Automatic cove-stick system with electronic linear actuated pusher and variable speed control
- Cove stick placement rack with five (5) pneumatic cylinders
- Nordson Durablue™ Hot Melt System with air-actuated glue gun and manifold
- Automatic form bar assembly with unique twin cylinder, dual actuating design ensures concentricity
- Ten (10) 90° stops
- Electronically controlled with adjustment
- Operator Interface (HMI) with PLC controlled sequence of operation
- Special infeed and outfeed conveyors
- Optional automatic load/unload system

Operator Interface



Operator interface with color monitor and PLC controlled sequence of operation

Lift & Clamp System

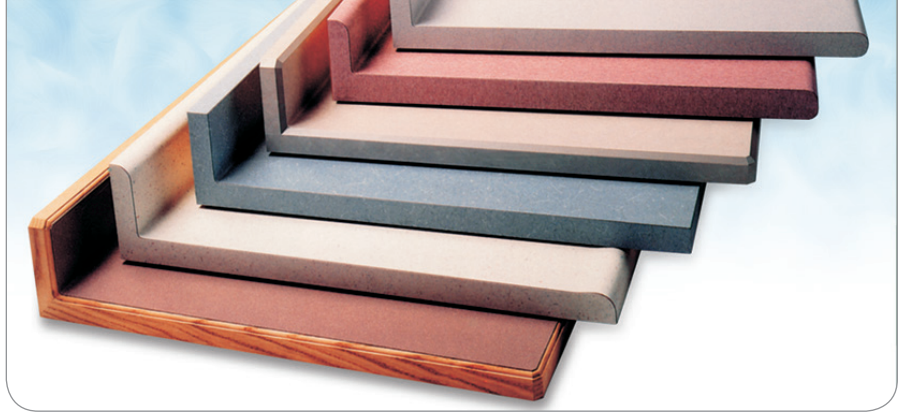


Pneumatic bladder and hold-over cylinders to ensure uniform contact and temperature

Cove Bar Assembly



Aluminum cove bar with electronic temperature controls and 90° stops



Typical profiles



Form Bar Assembly



Unique twin cylinder, dual actuating design ensures concentricity

Cove Stick Feeder



Automatic cove stick feeding system with air actuated glue gun

Cove Stick Rack



Cove stick placement rack with (5) pneumatic cylinders



COUNTERTOP CUTTING STATIONS

Model CS XL Cutting Station

The CS XL Cutting Station is our most popular saw and is designed for fabricating a wide variety of kitchen countertop and vanity sizes. The CS XL has an overall cutting length of 53.5 inches (1360 mm) at 90° angle of cut, and 37.5 inches (950 mm) at 45° angle of cut.

Maximum backsplash height is 4.875 inches (124 mm) from bottom of deck.

Model CS XLT Cutting Station

The CS XLT Cutting Station is the same size as the CS XL with an increased cutting height using a 20 inch (508 mm) diameter saw blade.

This reduces the overall cutting length to 50 inches (1290 mm) at 90° angle of cuts, and 36 inches (915 mm) at 45° angle of cut, but increases the maximum backsplash height to 6.875 inches (172 mm) from bottom of deck.

ACCESSORIES

Standard Conveyor



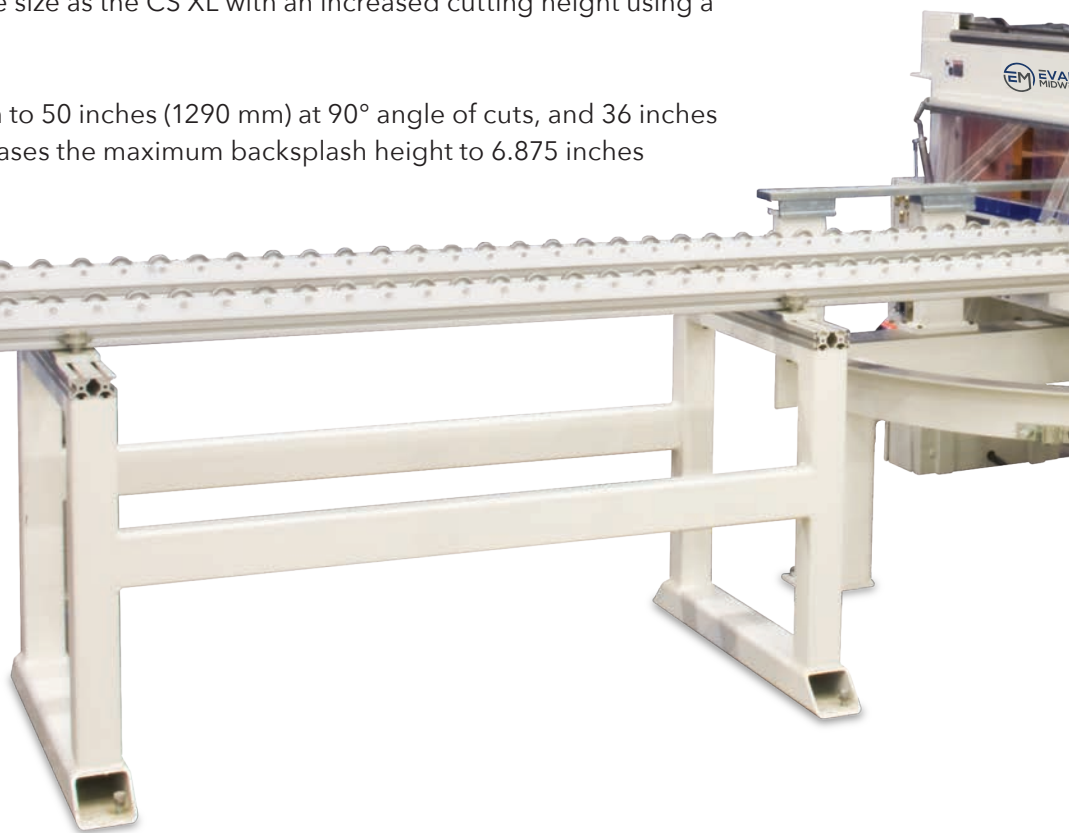
Laser Guide



Dust Manifold Kit



Variable Miter





0710 Miter Saw

The 0710 Miter Saw guarantees precision cut miters every time. The custom designed top ensures accurate 22 1/2", 45°, and 90° miter cuts without gauges, guides, or fences. The electric power feed mechanism has positive forward and reverse actions.

Every 0710 Miter Saw comes equipped with a fitted saw guard specially designed to provide maximum operator safety without sacrificing accuracy, workability, or production flow. The 0710 Miter Saw has proven itself to be both reliable and dependable within the countertop fabricators industry. (Manual Feed 0700 also available).

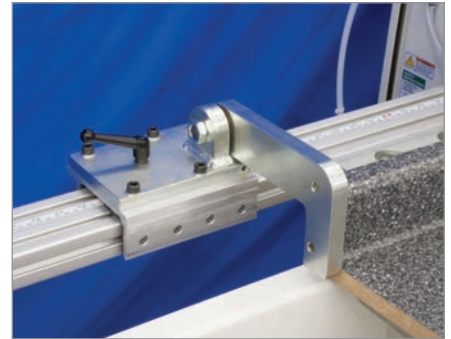


Benefits of Evans Midwest Cutting Stations include:

- Precision cut quality and accuracy
- Unparalleled dependability and service
- Best resale values in the industry

ACCESSORIES

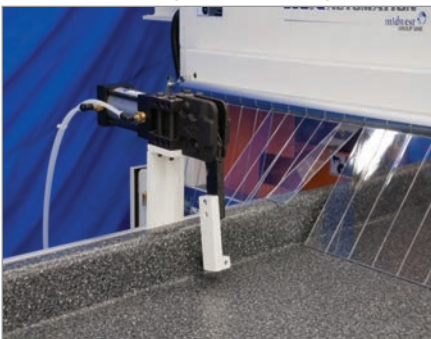
Flip-Over Stop



Heavy-Duty Roller Conveyor



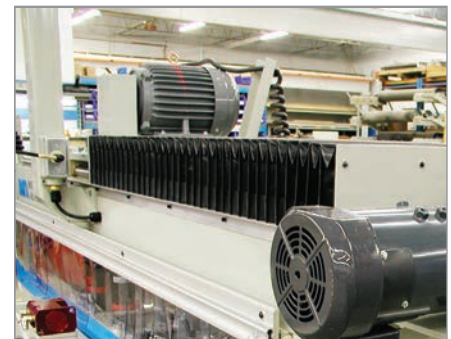
Backsplash Clamp



Support Rings



Dust Enclosure Kit



INDEX TABLES



IX 2105

Index System

Allows one operator to place laminate onto panels up to twelve (12) ft (3.7 m) long with ease and accuracy eliminating scrap caused by uneven alignment.

Fits all high production side by side countertop laminating systems.

Selected Features

Two (2) rows of adjustable roller wheels

Panel stop

Hand wheel operated core fence with mechanical counter

Hand wheel operated laminate fence with mechanical counter

Six (6) pneumatic assisted laminate support arms

Eighteen (18) pneumatic suction cups with individual vacuum generators

Pneumatic clamping system

Cam operated control valve



0366 Index Table

The 0366 Index Table aligns laminate and core stock accurately. The fully adjustable design accepts materials up to 62" wide by 145" long and is the ideal complement to the 0207 Pinch Roller. Adjustable table guides ensure quick and correct spacing between core stock and backsplash for the cove bend. This simple, effective machine can save you time and eliminate waste today.

Selected Features

Maximum Length: 12'

Adjustments Up To 61" Wide

Pneumatically Operated Core Positioning

Push Button Pneumatic Controls

PINCH ROLLERS



PR 400/500 Single Pinch Roll Presses

Selected Features

- Solid top roller and segmented bottom roll
- Keypad controls with variable speed AC drive and digital read out
- Forward/reverse drive
- Large diameter rollers and shafts
- Roller surfaces are rubber coated and precision ground
- Direct drive lower roller with helical gear box
- Hand wheel operated panel thickness adjustment with digital read out
- Two (2) precision jacks for adjusting upper roller
- Infeed safety bar and Emergency stop
- Width: 53 inch (1350 mm) and 65 inch (1650 mm) models
- Minimum Panel Length - 18 inches (457 mm)
- Maximum Panel Thickness - 3 inches (76 mm)
- Maximum Build Down Stick Thickness - 1.75 inches (45 mm)
- Drive Motor: 1/2 HP



0207 Pinch Roller

The 0207 Pinch Roller is a key asset for laminating shops both large and small. The unique design of our pressure rollers allows for uniform and even bonding of the laminate to the substrate. The split bottom roller allows adjustments for different types of tops. The 0207 is an ideal machine when running material with a build down such as counter tops. This machine is specifically designed to laminate using either contact adhesives or fast bond PVA's.

Selected Features

- Safety Gates on In-Feed and Out-Feed
- Solid Top Roller
- Split Bottom Roller
- Feed Rate: 50 FPM
- Maximum Width: 62"
- Maximum Thickness: 2"
- Work Height: 30-1/2"





Photograph "Canyon Creek" Courtesy of WilsonArt®

Precisely engineered machinery.

Evans Midwest is the premier partner in countertop laminating and postforming machinery systems. Throughout North and Central America, our machines are perfect for shops ranging from custom shops to full scale production facilities.

Panel processing and laminating is all about efficiency. Evans Midwest's line of machinery is designed, engineered, tested and perfected to accomplish just that. Our lines allow your operators to spend their time building parts rather than troubleshooting machine needs.

Our machinery is designed, precisely engineered and scalable to solve your specific shop needs for years to come.



11441 East Lakewood Blvd.
Holland, MI 49424
616.546.8225
evansmidwest.com

