

Kitchen Countertop Machines COUNTERTOP LAMINATING SYSTEMS



KITCHEN COUNTERTOP LAMINATING SYSTEMS

Evans Midwest together with our strategic partners OMMA and ORMA Machine, offers the largest variety of water base laminating solutions in the world today. Whether you require a simple 2-roller glue spreader with a single cold pinch roll press for laminating high pressure laminates, or very precise roll coaters with a hydraulic press for veneering panels, Midwest has the system to meet your requirements. Midwest machines have been used extensively in the kitchen countertop, office furniture, architectural woodwork and store fixture industries, just to name a few. Bottom line? We help you laminate better, increase productivity, and improve quality.

Benefits include economical initial investment, reduced adhesive costs, reduced VOC emissions, zero hazardous waste, and superior rigid glue line.



Gas spring operated access door for ease of cleaning and maintenance

CLS400/500 WATER BASE LAMINATING SYSTEM with Fixed Spray Guns

Designed to apply high solids, water base, PVA adhesives to the core and laminate with air atomized spray guns specifically designed to minimize overspray and misting.

The system can be operated with the core and laminate either end to end or side by side to increase throughput. Ideal for companies with intermediate production requirements up to one countertop per minute.

Available in 4 and 5 foot widths

SYSTEM INCLUDES

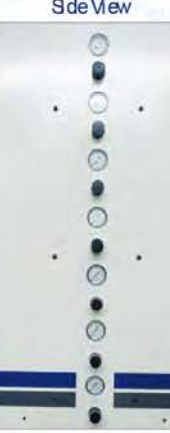
- Chain driven, power roller conveyors
- Specially designed belt transfer conveyor in the spray zone
- Individually controlled spray guns with automatic width & length sensing
- Unique spray head design for high solid PVA glues
- Dual diaphragm pump with individual pressure regulators
- Infrared drying tunnel
- Free-standing "console" type electrical enclosure with PLC controlled sequence of operation
- Variable line speed with digital display
- Gas spring-operated front access door

OPTIONAL EQUIPMENT

- Specially designed panel cleaner to clean core and HPL simultaneously
- Laminating index systems
- Pinch roll presses



Side View



Pressure regulators for each spray gun

Spray Guns



Unique spray gun design reduces overspray and misting

Photo Sensors



Electric sensors for automatically controlling spray width

Belt Conveyor



Specially designed belt conveying system through spray zone to reduce cleaning

Drying Tunnel



High efficient infrared drying tunnel with individually controlled heater banks

KITCHEN COUNTERTOP LAMINATING SYSTEMS

CLS400/500 SBS WATER BASE LAMINATING SYSTEM with Two Side-by-Side Glue Spreaders

Designed to apply fast setting, water base PVA adhesives to the core and laminate utilizing two specially 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

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, and excellent pay back.



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



Control Panel



Consolidated electrical enclosure with separate controls for core and laminate

Auto Level Sensor



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

Panel Cleaner



Special panel cleaner with cross belt design

HPL Cleaner



Special HPL cleaner with ionization unit, brush and vacuum pump

KITCHEN COUNTERTOP LAMINATING SYSTEMS

CLS400/500 O & U WATER BASE LAMINATING SYSTEM with Two Over & Under Glue Spreaders

Designed to apply fast setting, water base PVA adhesives to the core and laminate utilizing two specially designed over and under glue spreaders for 100% glue transfer efficiency. Ideal for high volume production requirements up to three countertops per minute.

Available in 4 and 5 foot widths

SYSTEM INCLUDES

- Specially designed lower transfer conveyor with adjustable segmented rollers
- Specially designed upper transfer conveyor with minimum contact chain
- Automatic vacuum feeding system for HPL
- Individual upper & lower glue spreaders for core & HPL
- Fast response, medium wave, infrared heaters with gold backed emitters
- Semi-automatic indexing systems with adjustable fence
- Single pinch roll press with segmented bottom rollers
- PLC controlled sequence of operation
- Operator interface with color 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
- Automatic adhesive leveling system
- Semi-automatic cleaning system
- Caster kit for ease of cleaning
- Infeed and outfeed protective guards with interlocks

OPTIONAL EQUIPMENT

- Dual HPL shuttles
- Core and HPL cleaners
- Core pre-heat units
- Automatic panel feeding systems
- Dual pinch roll presses
- "No-drip" systems
- Automatic width adjustment

HPL SPREADER INCLUDES

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

Benefits include integrated gluing, indexing and pressing functions, high output system with small footprint, HPL orientation requires no "flipping" of laminates onto core, precision adhesive application with 100% transfer efficiency, zero VOC emissions or hazardous waste, superior adhesive bond at a reduced cost, and excellent pay back in high volume or multiple shift applications.



Upper and lower glue spreaders move out of operating position for ease of cleaning and maintenance



Operator Interface



Operator interface with color display for ease of operation

Vacuum Feeder



Automatic vacuum feeder for the HPL eliminating need for operator

Dual Shuttle



Optional dual shuttles reduce downtime and increase productivity

Fast Response Heaters



Energy efficient, fast response heaters with gold backed emitters

KITCHEN COUNTERTOP MACHINES Postforming & Laminating Systems

Systems engineered to specific customer requirements.

For over 50 years, Midwest Automation has designed, manufactured, installed and serviced kitchen countertop postforming and laminating systems around the world.



CL 1400 O&U Water Base Laminating System with Optional SF2000 Standard Form Double-Sided Postformer

Typical Profiles



Typical Line Layout

