

Kitchen Countertop Series

***Postforming
Machines***

MA MIDWEST
AUTOMATION

Innovative Products for Innovative People

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GROUP ONE

Standardform™ Postforming Machines

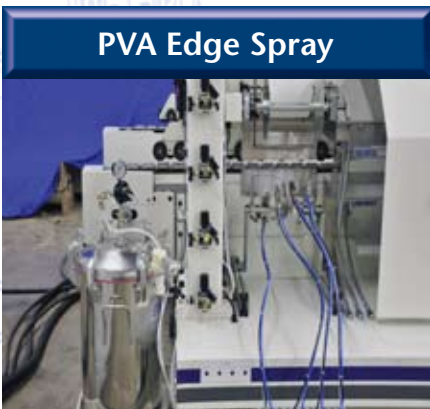
The *Midwest Automation family of postforming machines* is the largest in the world with over twelve (12) models from which to choose. Static, automatic, and feed-through models are available in single and double-sided configurations. Designed for a wide variety of manufacturing requirements from small, custom postforming shops to large, multi-shift manufacturers of kitchen countertops and office furniture. Midwest offers the perfect machine solution for any application and production environment.

Model SF 2000

The *Standardform™ SF 2000* is a compact, feed-through machine designed for small to medium size manufacturers of kitchen countertops, commercial office furniture, and postformed components. Available in single and double-sided models, in 10 and 15 foot lengths, the SF 2000 can be configured to produce components with either contact adhesive or water base, PVA glue. Optional high frequency trimming, finishing, and slitter saw units are available to produce completed components without additional labor.

SF 2000D features include:

- Heavy duty lower frame with direct AC drive motor(s)
- Heavy duty transport chain assemblies with 3-3/16 inch wide carrier blocks with a half round guiding system
- Rubber drive pads vulcanized to steel plates & mechanically fastened to carrier blocks
- Electronic variable speed forward/reverse drive with digital line speed
- Upper beam(s) with a double row of 2-3/4 inch diameter serrated rollers
- Upper beam adjustment with pointer & scale
- Power width adjustment
- Infrared heater(s) with electronic temperature controls
- 90° & 180° quick-change forming roller assemblies with adjustable, spring-loaded silicone rollers
- 90° & 180° compression rollers with adjustable, spring-loaded silicone rollers
- Forming & compression roller assemblies are mounted on infinitely adjustable linkages to accommodate a large variety of profiles
- Gas spring operated enclosure door(s) with viewing windows and safety interlock
- Operator Interface (HMI) with color monitor
- Special infeed & outfeed conveyor systems
- Optional PVA adhesive edge spray system
- Optional high-frequency trimming & finishing units
- Optional floating slitter saw units
- Custom tooling packages to customer specifications



PVA Edge Spray

Optional PVA edge spray system for applying adhesive to the edge of core and laminate.



Infrared Heaters

Top & bottom infrared heaters for heating laminate and drying adhesive.



Forming Roller Assembly

Quick-change forming roller assembly with adjustable, spring-loaded silicone rollers.



SF 2000D-15 double-sided postformer shown with PVA edge spray, infrared heating, forming/compression rollers, outfeed trimmer, and slitter saw.

Typical Postform Profiles



Photograph Courtesy of Formatop Mfg Co. Ltd.

Compression Roller



Side and underwrap compression roller assemblies with adjustable, spring-loaded silicone rollers.

Compression Shoe



Compression shoe and rollers to facilitate PVA adhesive bonding.

Outfeed Trimmers



High frequency trimmer and floating slitter saw.

Ultraform™ Postforming Machines

Model UF 2000

The Ultraform™ UF 2000 is an extremely rugged, feed-through machine designed for the high volume, multi-shift operation. 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, and can eliminate 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 includes SF 2000D features plus:

- 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
- Optional in-feed high-frequency, vertical & horizontal trimming units
- Optional hot air gun kits with self contained blower
- Optional 90° & 180° "turret" style forming roller assemblies
- Optional automatic, electronic and pneumatic positioning systems to reduce set-up
- Electronic motor brakes

Note: Illustration is shown upside-down for clarity.



HOW IT WORKS

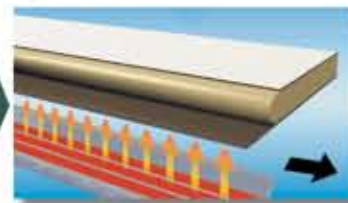
Infeed Trimming
90° Profile



Infeed Trimming
180° Profile

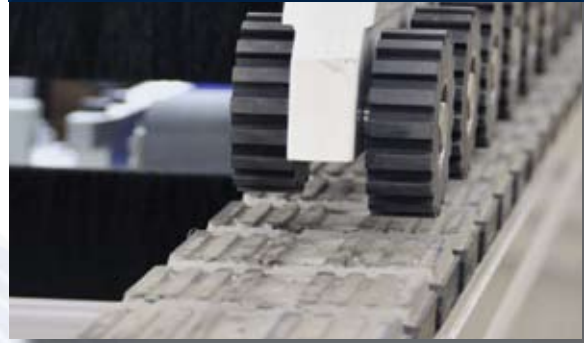


Adhesive Application



Heating Laminate

Transport Drive



Upper hold-down beam with double row of serrated rollers.
Transport chain assembly with full-friction carrier blocks.

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



Forming Laminate
90° Profile



Forming Laminate
180° Profile



Outfeed Trimming
90° Profile



Outfeed Trimming
180° Profile

UF 2000 close up shots & accessories



Operator interface (HMI) with color monitor. PLC sequence of operation.



Hand-wheel operated upper beam adjustment with heavy duty jack screws and dove-tail slides.



Electronic AC drives and optional motor brakes.



Optional PVA edge spray system for applying adhesive to the edge of core and laminate.



Top & bottom infrared heaters for heating laminate and drying adhesive.



Optional hot air gun kit with self-contained blower.



Quick-change forming roller assembly with over-center clamps to reduce set-up without special tools.



Optional floating slitter saw with pneumatic positioning unit.



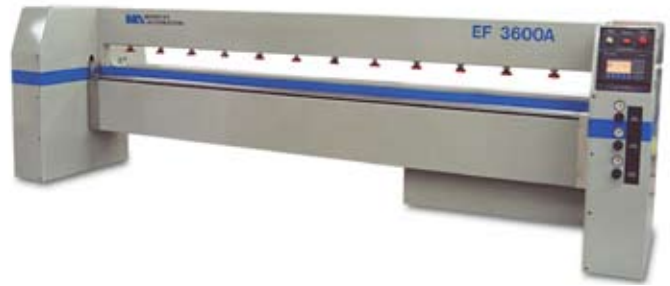
Optional high-frequency trimmer and floating slitter saw.

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Euroform™ EF 3600A Static Postformer

The EF 3600A is a fully automatic, static postforming machine designed for the small and/or custom shop. The operator interface/PLC-controlled sequence of operation allows the machine to produce a wide variety of profiles using the manual, custom (teach) or pre-programmed (fully automatic) modes of operation. An optional cove bar kit can be added to postform an inside radii.



Standardform™ SF 2000S Single-Sided Postformer

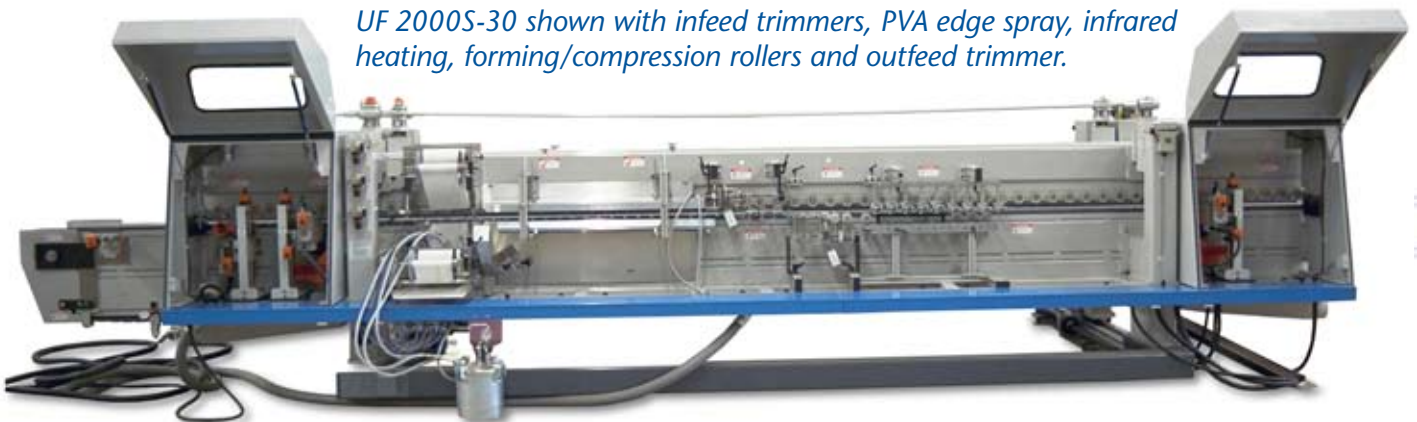


The SF 2000S single-sided postforming machine is designed for the small to medium shop that produces standard profiles. Available in 10 and 15 foot lengths and includes the same features found in the SF 2000D.

SF 2000S-10 shown with infrared heating, forming/compression rollers and outfeed trimmer.

Ultraform™ UF 2000S Single-Sided Postformer

UF 2000S-30 shown with infeed trimmers, PVA edge spray, infrared heating, forming/compression rollers and outfeed trimmer.



The UF 2000S single-sided postforming machine is designed for large, multi-shift manufacturers of office furniture, European style kitchen countertops, and postformed components. Available in 20, 25, and 30 foot standard lengths. Modular design allows the machine to be configured to specific customer requirements.

Midwest Group One

2645 26th Avenue South

Minneapolis, MN 55406 USA

612.721.5347 voice

612.721.1736 fax

midwestgroupone.com