



Manufacturer of Postforming and Laminating Machinery

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CM645 Coving Machine with Fixed Fence



Edgetech's CM645 Coving Machine is an automated coving machine with the unique feature of a fixed fence. The coving heatbar can be moved to the position necessary to accommodate different countertop deck sizes.

The benefit of the fixed fence design is achieved when the CM645 is used in line with an automated postformer that has the slitter saw at the movable side of the postformer. This combination eliminates the need for a side shift conveyor typically needed when changing from standard kitchen countertops to vanity countertops.

As with Edgetech's other coving machines, the CM645 automatically heats and forms the backsplash, then feeds and bonds the covestick in place. The backsplash form bar pivots at the center of the cove radius, providing a true radial bend when forming the backsplash. The CM645 has an extra deep deck capacity of 36" and is built with an automated drive system. Options include a three-zone temperature control and a high capacity hot melt unit.

Standard Features

- Fixed fence / moving cove heatbar system
- Fully automated system with powered drive
- Automatic clamping system for countertop deck
- Hot melt bonding system for covestick
- Programmable start time and idle mode for hot melt unit
- Hydraulic backsplash form bar actuators with adjustable speed
- PLC controlled sequence of operation
- Form bar pivots at center of cove radius
- Powered adjustment with digital indicator for deck width dimension
- Adjustable hold time for covestick insertion
- Linear guide through wheels
- Heavy duty rigid welded frame
- Special covestick trough to accommodate moving cove heatbar

Optional Features

- Three zone temperature control for 8, 10 and 12 foot countertops to keep the unused area of the cove heatbar at a consistent temperature when forming shorter tops
- High capacity hot melt unit
- Additional cove heatbar supports and stops
- Left hand stick feed (right hand standard)
- Custom modifications

CM645 Coving with Fixed Fence Specifications

Submit profiles for review. Some restrictions may apply to combinations of these dimensions.

| Model | CM645 "Fixed Fence" |
|-------------------------------|----------------------------------------------------------------|
| Core thickness | 1/2" – 1 1/4" |
| Deck width | 18" – 36" (16" with spacer) |
| Backsplash height | 2" – 10" |
| Builddown stick thickness | 3/8" – 2" |
| Countertop length | 96" – 145" |
| Forming radius | 3/16" |
| Cycle time | Less than 1 minute |
| Covestick size | To be specified by customer |
| Electrical requirement | Machine Hot melt system |
| Air requirement | 230V 50/60 Hz 1 Phase 20 Amp 230V 50/60 Hz 1/3 Phase 22 Amp |
| Machine working height | 90 – 100 PSI @ 2 CFM |
| Machine height | 37" |
| Machine width x length | 64" |
| Shipping weight (approximate) | 55" x 178" |
| | 4,500 lbs. |

Production capacities and specifications are provided for the convenience of our customers and are not binding. Edgetech reserves the right to make changes without notice. Please contact us if the above capacities and/or specifications do not meet your requirements.