

Manufacturer of Postforming and Laminating Machinery

Edgetech, Inc.
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CB320/321 Core Builder



Edgetech's CB320/321 Core Builders are designed to produce consistent straight cores with built up edges. The sticks for the built up edges and scribe are cut from the infeed panel, then guided and bonded in place with a hot melt system prior to being shaped in one continuous flow-through process. This eliminates costs related to a separate cutting process and the need to inventory builddown and scribe sticks.

With the selection of the proper shaper unit, double no-drip profiles and bartops can be produced in a single flow-through process. An optional touch screen panel allows the selection of the required cutter stations for each profile and the quick changeover time allows the core builder to be in-line with the countertop production line, eliminating the need to run and inventory cores prior to a production run.

(Model 321 includes the no-drip profile system (for one or both sides))

Standard Features

- Precision sizing without 'banana' shape cores
- Automatic cutting of builddown & scribe sticks
- Heavy duty frame construction
- Heavy duty power width adjustment with digital readout (1½" dia. left & right hand lead screw)
- Pneumatically actuated holddown wheels
- Heavy duty continuous center feed drive to produce a straight core
- Infeed guide table with synchronized guide fence
- Outfeed conveyor with synchronized guide fences to assure straight cores
- Automatic center drive lubrication
- Builddown stick guide system
- Hot melt bonding system for builddown sticks
- Horizontal Shaper units* with digital adjustment horizontal and vertical
- Cove relief cutter unit
- Hotmelt system with 34 lbs tank capacity and 25 lbs/hr melt rate
- Dust collection manifold system with a single hookup to dust collection system (dust collection system not included)
- Feed speed of 35 fpm

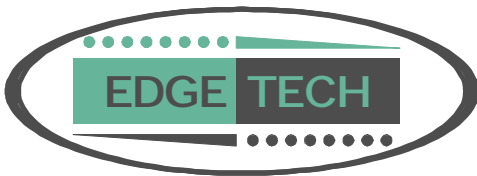
*Note: Cutters not included – can be quoted when specified

Optional Features

- Higher capacity hot melt unit
- No-drip profile system for 1 or both sides (Model 321)
- Amperes load indicators on shaper motors to indicate dull cutters
- Lineal feet indicator
- Rabbet cutter dado unit for left and/or right hand side for builddown sticks
- Automatic covestick cut off system
- Full enclosure
- Controls mounted on left or right side (specify)
- Panel feeder into core builder
- Quick profile changes via touch screen panel
- Shaper units with vertical failsafe locking brakes with pneumatic release for adjustment
- Vertical Shaper Units*
- Custom Modifications

*The CB320/321 can be configured with up to 8 shaper units per side. The number of units needed will depend on cutter configuration and the number of profiles to be produced on the machine.





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CB320 / 321 Core Builder Specifications

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

Model	CB320	CB321
Core thickness	5/8" – 3/4"	5/8" – 3/4"
Core width	12" – 49"	12" – 49"
Builddown stick width (preset for two specific widths)	1/2" – 1 1/2"	1/2" – 1 1/2"
Builddown stick thickness	3/8" – 3/4"	3/8" – 3/4"
No-drip stick (specify whether needed on 1 or 2 sides)	N/A	Width: same as core thickness (specify if other width needed) Depth: 1/4" (bonded in 1/8" deep groove)
Core length	8 foot – 12 foot	8 foot – 12 foot
Feed speed	35 feet per minute	35 feet per minute
Shaping radius	To be specified	To be specified
Hot melt system – maximum power consumption	230V 50/60 Hz 1/3 Phase 4.5 KW	230V 50/60 Hz 1/3 Phase 6.5 KW
Hot melt tank capacity	34 lbs.	34 lbs.
Hot melt rate	25 lbs. Per hour	25 lbs. Per hour
Electrical requirement (voltage to be specified)	208V 60 Hz 3 Phase 230V 60 Hz 3 Phase 460V 60 Hz 3 Phase 575V 60 Hz 3 Phase	208V 60 Hz 3 Phase 230V 60 Hz 3 Phase 460V 60 Hz 3 Phase 575V 60 Hz 3 Phase
Note: Maximum power consumption depends on machine configuration		
Air requirement	100 PSI 1 CFM	100 PSI 1 CFM
Machine working height	37"	37"
Machine height	60"	60"
Machine width x length (with infeed and outfeed conveyors)	92" x 38 feet	92" x 38 feet
Shipping weight (approximate)	6,300 lbs.	7,200 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.