

**CANTEK**

# EM12

END MATCHER



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## Continuous through feed end matcher producing tongue and groove on flooring & paneling.

The Cantek EM12 End Matcher is specially designed for machining tongue and groove (with or without bevels) on hardwood flooring and wall/ceiling paneling up to 12" wide. Its compact design with continuous through feed system allows for maximum output in a small space. Equipped with a user-friendly touch screen interface allow for simple operation with excellent performance and error diagnostics. The dual counter-rotating cutterheads produce both the tongue and groove simultaneously ensuring a perfect match. The anti-tear-out blocks and counter rotation of the heads ensure optimum cut quality without chipping or blowout. The insert style segmented cutterheads can be adjusted according to your desired tongue / groove thickness and can perform a micro-bevel or not. For added productivity the EM12 End Matcher can be installed in-line with our CFS100 Automatic Defect Cutoff Chop Saw to perform defecting and end matching in a single line.



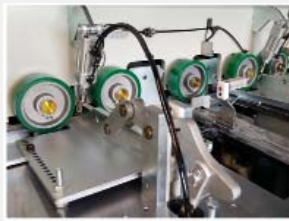
Feed system, infeed, outfeed, and clamps



Powerful 10HP cutterhead motors



Tongue and groove insert knife cutterheads



Adjustable work piece clamping unit



Anti-tear out blocks



Feed system (with hood removed) and dust hood



Sample: Tongue and groove with bevel flooring or paneling



Sample: Tongue and groove flooring

## Key Advantages.

- Through-feed system allows the tongue and groove to be cut simultaneously on the tail of one board and the leading edge of the next board
- Powerful dual 10HP cutterhead motors allow for maximum cutting rate no matter the width, thickness, or species of the wood
- Variable cross-cutting feed speed and anti-tear-out blocks produce optimum finish quality on tongue and groove
- Production capacity of 77 lineal feet per minute based on average of 6.5' board
- Variable speed through-feed system is controlled by frequency inverter
- Powered top urethane rolls and spring-loaded bed rollers feed the material into position for processing
- Pneumatic side pressure system ensures the material is held square against the fence
- Cutterheads are equipped with removable micro bevel insert cutter section for bevel or square flooring / paneling
- 118" powered infeed table with angled rolls ensure material is fed up against the infeed fence
- 87" outfeed slide table allows board to slide out of the way while the next board comes through to be processed resulting in continuous production
- Chrome table ensures maximum wear resistance

## Specifications.

<b>CAPACITY</b>	Width	1.6"~12"
	Thickness	0.4"~1.38"
	Min. Length	12"
	Max. Length	Unlimited
<b>FEED</b>	Feed Speed – max.	295 FPM
	Cutting Speed – approx. throughput	77 FPM (Based on 6.5" board)
	Powered Infeed Table – Std.	173" (14.4') long – longer optional
	Outfeed Table – Std.	86.6" (7.2') long – longer optional
<b>MOTORS</b>	Cutterheads	10Hp x 2
	Feed System	1 Hp
	Cutter Drive	1/2 Hp
<b>ELECTRICAL</b>	Power	230, 460 or 575/3/60
	Control Voltage	24 VDC
	Connected Load	21.5HP
	Full load amperage (FLA)	230/3/60 – 50.4 Amps 460/3/60 – 25.20 Amps
<b>CLAMPING</b>	Clamping	Top & Side
<b>OTHER DATA</b>	Spindle Dia.	40mm
	Dust Collection Outlet	6" diameter
	Compressed Air Requirements	85PSI – approx. 12 CFM
	Machine Dimensions (LxWxH)	91" x 51.5" x 63"
	Machine Weight	2530 lbs.