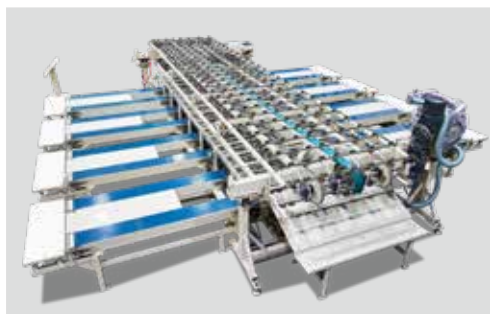


**OTHER
HIGH PERFORMANCE
PRODUCTS**



**UNMATCHED
SPEED & PRECISION**

END-MATCHERS

- EM-60
- EM-95
- EM-135



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END-MATCHERS

OSI Machinerie's **End-Matchers** are designed to meet the most stringent requirements of premium-quality wood flooring manufacturers—from both a production quality and productivity standpoint.

Reliable, sturdy, and featuring easy maintenance, the 3 models provide highly accurate tongues and grooves hardwood flooring.

Each end-matcher is designed according to specific plant layout parameters, including production line speed, width and length of product, and the quality of wood species.



FEATURES

- Squareness accuracy of +/- 0.001" (0.025 mm) per inch of board's width
- Automatic jumping saw system for split out free groove machining
- 2-axis bases for saws with 0.001" (0.025 mm) adjustable increments
- High precision cast-iron chains machined from a solid round bar
- Drive sprockets: 2-1/4" (57 mm) thick steel reversible replaceable teeth (EM-95/EM-135)
- Each saw motor is customized by OSI to satisfy superior precision standards
- Most accurate microbevel (micro-V) on the market
- Accurate chain lubrication system
- Shaft mounted gear motor
- Heavy-duty steel heads, stress-relief and machined
- Enclosed heads for vacuum efficiency
- Clamp cutting blades
- Tongue machining before trimming
- Fiber cutter knife before trim

OPTIONS

- Choice of exits: inline, side with roller or with our vacuum board sorter or automatic clamp sorting system
- Jumping saw
- Open heads for defecting

APPLICATIONS

- Solid hardwood
- Engineered
- Softwood
- Lock profile

TECHNICAL SPECIFICATIONS

	EM-60	EM-95	EM-135
Max feed speed	60 ft/min (18 m/min)	95 ft/min (29 m/min)	135 ft/min (41 m/min)
Board thickness	7/16" (11 mm) to 1-1/2" (38 mm)	5/8" (16 mm) to 1-1/2" (38 mm)	
Board length	8" (203 mm) to 94" (2388 mm)		
Motors & blades trim saw	3 HP per 12" (304 mm) trim and 10" (254 mm) microbevel blades (2 pairs)	5 HP per 12" (304 mm) trim and 10" (254 mm) microbevel blades (2 pairs)	6 HP per 14" (356 mm) trim and 11" (279 mm) microbevel blades (2 pairs)
Motors & blades tongue shaper	3 HP per 10" (254 mm) tongue shaper blades (2 units)	5 HP per 10" (254 mm) tongue shaper blades (2 units)	6 HP per 12" (304 mm) tongue shaper blades (2 units)
Motors & blades jumping saw*	1 un. 2 HP and 1 un. 3 HP for 2 un. 6" (152 mm) blades	5 HP per 6" (152 mm) blades (2 units)	5 HP for the 6" (152 mm) blade and the 8" (203 mm) blade
Jumping saw driving*	Air cylinder	Air cylinder	Servo-motor
Axis movements	Bushing on aluminium guides	Linear bearings	Linear bearings
Feed motorization	Shaft mounted gear motor		
Chain links	1-3/8" (35 mm) x 4" (102 mm)	1-3/8" (35 mm) x 4-1/2" (114 mm)	1-3/8" (35 mm) x 4-1/2" (114 mm)
Chain pins	1/2" (13 mm) OD	1/2" (13 mm) OD	1/2" (13 mm) OD
Push bars	1/2" (13 mm) thick std steel alloy	5/8" (16 mm) thick T1-100 alloy	5/8" (16 mm) thick T1-100 alloy
Drive sprockets	2-1/4" (57 mm) thick	2-1/4" (57 mm) thick with replaceable teeth	
Cross rolls sections between machining heads	42" (1067 mm) x 3" (76 mm) OD	42" (1067 mm) x 3" (76 mm) OD	50" (1270 mm) x 3" (76 mm) OD
Board stability device	-	-	2 motorized brushes between machining heads
Voltage	480V or 600V		

*Jumping saw is considered as an option