

MARINUS

Finger Jointer & Defect Saw

The Marinus Powermax Finger Jointer Line profiles horizontally, applies adhesive, cuts out defects, presses and cuts to length. The unique process creates a clean joint that does not require post-processing.



MINIMIZE
WOOD WASTE

www.marinus.biz

About the Finger Jointer

When feeding wood into the machine, it is possible to mark defects, such as knots or cracks, with a luminescent crayon. The machine will cut out these defects, including the crayon lines. For instance, to get cladding or paneling without knots or holes.

Before the profiling and also before the pressing, the wood is brought to a stationary position, fixed sideways and clamped to an accurate reference surface above. This results in a highly accurate connection of the finger joint, with a flat surface at the joint and a straight end-product. Because of this precision (for most purposes) the wood does not need to be planed or sanded afterwards.

The adhesive applicator is mounted to the carriage with the profile cutters. In the returning stroke of the profiling carriage the adhesive is applied. The use of PU adhesive ensures a very strong bond, suitable for outdoor use and in wet environments.

While most other finger jointers move the wood transversely (right-angled) past the profiling heads, the Marinus Finger Jointer moves the wood longitudinally (lengthwise) through the machine. This enables feeding in long lengths of 6 meters or even longer.

As a result, the machine can process all the wood, including longer lengths, and use it all (except for the defects) for the jointed end-product. This way, there is no good wood turned into short pieces of scrap.

Technical Specifications

Description	Value
Weight:	5000 kg
Power:	32 kW
Air pressure:	6 bar
Dimensions (LxHxW):	20.000 x 2000 x 1600 mm (Depending on configuration)
Mill diameter:	125 mm
Dust extraction diameter:	450 mm
Air speed extraction:	30 m/sec
Press force:	Adjustable up to max. 25.000 kg

Where other finger jointers focus on re-using short pieces of scrap wood, the Marinus eliminates the production of scrap wood.

The Marinus Finger Jointer contributes to an efficient and sustainable production process.

Remote support

Marinus offers customer support worldwide. All new machines are equipped with an online remote support system.

Functional Specifications

Description	Value
Lengths:	450 - 6000+ mm
Widths:	50 - 300 mm
Thicknesses:	8 - 50 mm
Capacity:	Up to 8 joints/min
Length modes:	Variable / Fixed / Optimizing round lengths

About Marinus

Marinus is a family-owned and operated company. All machines are engineered and built in Bakkeveen, The Netherlands.

The machines that we offer today are the result of three decades of incremental improvements and complete redesigns, resulting in refined machines that are built to last.

Contact

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