



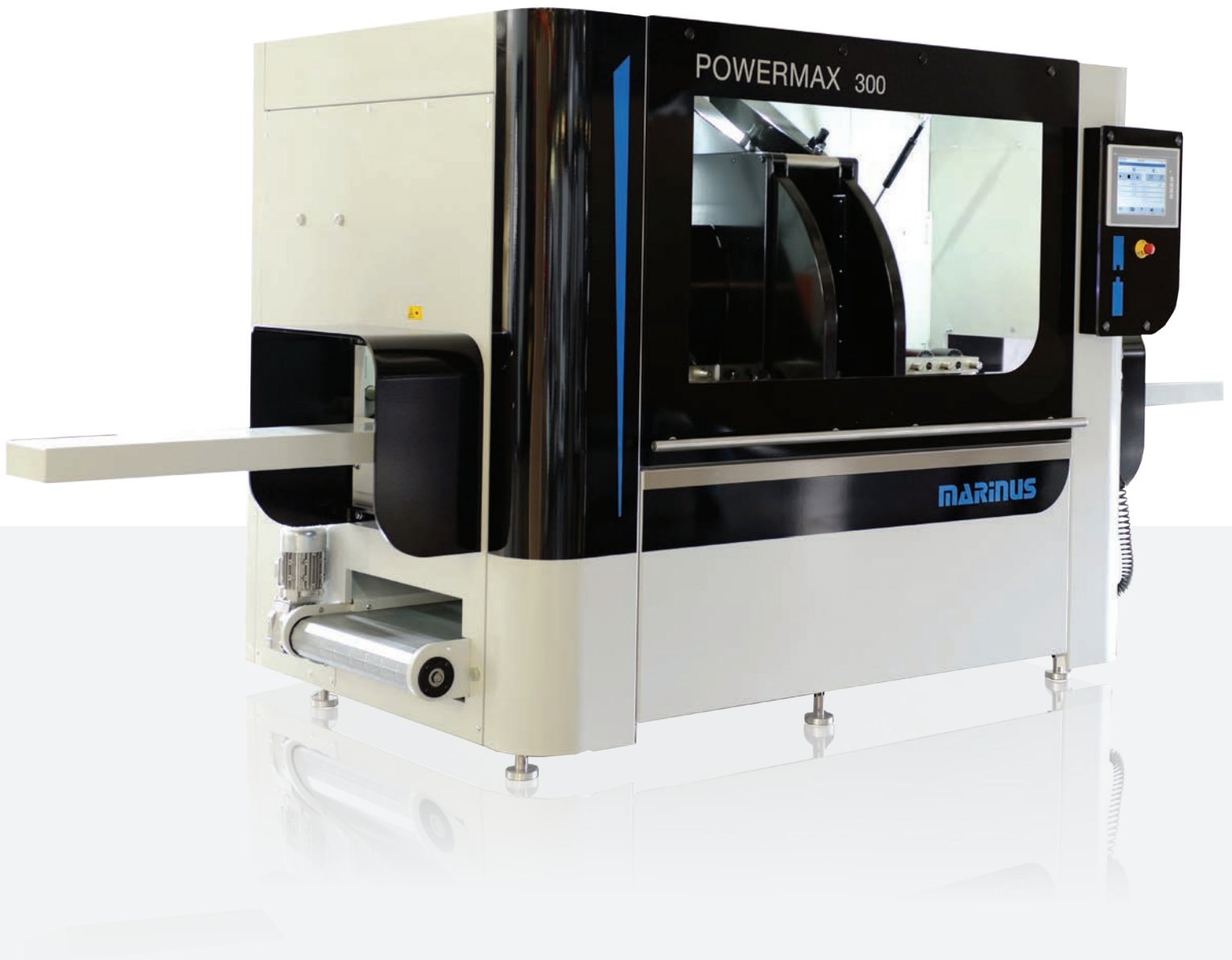
AKHURST

MARINUS
MACHINEBOUW

POWERMAX

ALL IN ONE DEFECT SAW AND END MATCHER

FASTEST DEFECTING & END MATCHING MACHINE IN THE MARKET USING THE FLEXIBLE "THROUGH-FEED" METHOD



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FEATURES & SPECIFICATIONS

- Machine Dimensions: 89" L x 59" W x 75" H (2250 x 1500 x 1900 mm)
- Cutterhead carriage and clamp system utilizes HD Lineal Bearings – grease lubricated
- Continuous high speed feeding system with accurate positioning utilizing HD Servo Drives.
- 2 Servomotors for maximum feed control and acceleration and deceleration control
- Servo driven feed motor & gearbox for highest efficiency speed feeding and control of the cutterhead carriage includes independent stepless speed control forward & reverse.
- Pneumatic side pushers (holding material firmly against fence) for guaranteed square angle cut.
- 2 Cut-off sawing servo motors: 5hp each (3,0 kw) – 450mm (17.7") dia. blades with inverters (VDFs) for varying blade speed
- 2 High speed milling head servo motors with inverter (VFD) (12HP - 7,5 kW each) with speeds to 12,000 rpm - 5" (125mm) dia.
- Adjustable cutterhead stroke based on material width to increase throughput speed based on width of material input
- 4 Pneumatic cylinders with valves for best possible control and efficiency
- 1 Luminescence-Sensor camera for defect crayon mark
- 1 Photo electric sensor for defecting the ends
- Inductive Sensors for detecting the position of the carriage and the others for detecting the positions of the saw blades
- Powered belt conveyor with drive motor for waste cut off pieces
- Machine is produced to CE Safety and Electrical Standards to UL/CSA Standards
- Lenze PLC Control
- Touch screen control system
- A length-measuring system displays the total length and square feet/meters or square meters of the boards on the display during production

INPUT & OUTPUT MATERIAL SPECIFICATIONS

BOARD WIDTHS:

1.96" min. to 11.8" max. (50mm min to 300mm max)

Available on request:

Min width 1.75" (44.5mm)

Max width up to 15.75" (400mm) [[Powermax 400](#)]

BOARD INPUT LENGTHS:

17.9" min. to 20 ft. max. (450mm min to 6,000mm max) *Longer available on request*

BOARD OUTPUT LENGTHS:

15.9" (400mm) min.

Available short piece option can be added to reduce output length to 8" (200mm) Min.

BOARD THICKNESS:

.315" min. to 1.77" max. (8mm min. to 45mm max.)

AUTO MECHANICAL FIXED STOP ON OUTFEED OPTION:

(Ideal for herringbone &/or parquet flooring production) The machine can be set up to defect cut and then cut to the fixed length or just cut to the programmed fixed.



Optional Short Piece Attachment for 8" (200mm) min. output lengths.

Can later be added to machine

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