

Industrial solutions to optimize your line

OSI Machinerie also offers industrial solutions designed to strengthen key stages of wood processing production lines. Each solution is built to improve flow, precision and operational stability to fit your production reality.



Self-Centering Sander



Side-Matcher



End-Matcher



Vacuum board sorter



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2 AND 4 SIDED
SELF-CENTERING
PLANERS



FOCUSED ON MASS TIMBER

SELF-CENTERING PLANERS DESIGNED FOR
PRECISION. BUILT FOR PERFORMANCE.



MULTIPLE CONFIGURATIONS TO MEET YOUR NEEDS

A better way to plane Mass Timber

Mass Timber manufacturing demands more than simply reducing thickness. Dimensional accuracy, bonding surface quality and material recovery directly impact structural performance, production efficiency and profitability.

Traditional planers reference every workpiece from a fixed position, regardless of its natural variations.

OSI's Self-Centering Technology changes that.

By automatically centering every piece before machining, the planer removes material evenly on planed faces, compensating for manufacturing imperfections while maximizing usable wood fiber.

Why Self-Centering?

- Equal material removal
 - Superior bonding surface preparation
 - Exceptional dimensional accuracy
- Maximum material yield
 - Improved production consistency
 - Reduced rework and rejects

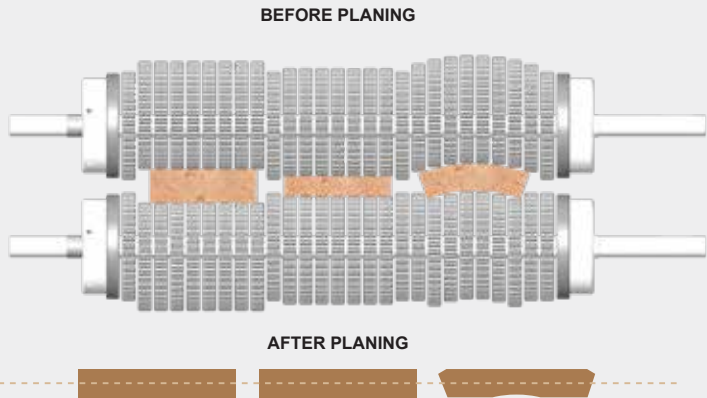
NEW for the Mass Timber industry

For nearly 40 years, OSI Machinerie has helped wood product manufacturers maximize material recovery through innovative self-centering technology engineered to deliver measurable profitability.

OSI's Self-Centering Planer automatically adapts to common Mass Timber surface irregularities, including **beam assembly imperfections, misaligned joints, glue squeeze-out and other dimensional variations.**

By continuously centering each workpiece throughout the planing process, the machine ensures optimal positioning before every cut.

The result is greater material recovery, **consistent finished thickness, superior glue-ready surface preparation and a more stable production process.** By reducing hidden losses and improving process control, OSI transforms mechanical precision into measurable performance and tangible returns for your operation.



	2-Sided	4-Sided	2-Sided Finished Beam	4-Sided Finished Beam
Available Speeds	15 to 210 m/min (50 to 700 pi/min)	30 to 210 m/min (100 to 700 pi/min)	15 to 40 m/min (50 to 125 pi/min)	15 to 40 m/min (50 to 125 pi/min)
Available Widths	300, 450, 600, 750 mm (12, 18, 24, 30 in)	300, 450, 600 mm (12, 18, 24 in)	900, 1050, 1200, 1350 mm (36, 42, 48, 54 in)	900, 1050, 1200, 1350 mm (36, 42, 48, 54 in)
Available Thicknesses	— —	50, 75, 100, 150 mm (2, 3, 4, 6 in)	— —	300, 400, 500, 600 mm (12, 16, 20, 24 in)
Planing Accuracy	+/- 0.1 mm (+/- 0.004 in)	+/- 0.1 mm (+/- 0.004 in)	+/- 0.2 mm (+/- 0.008 in)	+/- 0.2 mm (+/- 0.008 in)

What Self-Centering Really Changes

Every workpiece is automatically centered and calibrated according to its own geometry, preserving more usable wood fiber, maintaining consistent thickness and reducing repetitive material losses.

By minimizing stress on the workpiece throughout the planing process, self-centering also helps reduce damage, rejects and production line stoppages.

Key Benefits

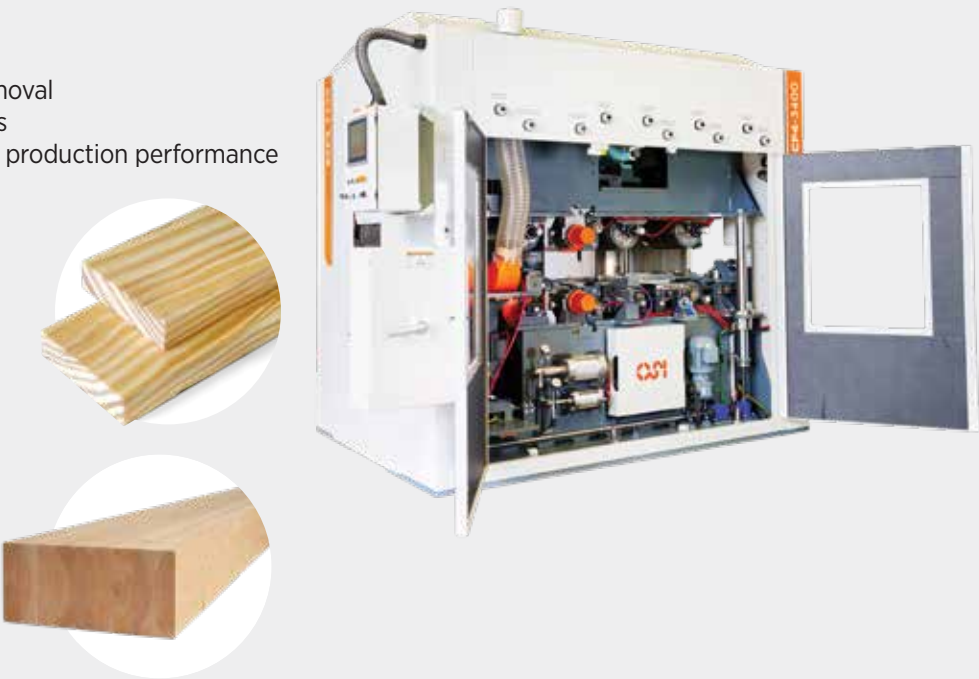
- Individual workpiece centering
- Equal calibration and material removal
- Reduced repetitive material losses
- More predictable and measurable production performance

Lamella Planing

- Produce glue-ready surfaces for stronger bond performance
- Ensure precise and consistent finished dimensions

Beam Planing

- Ensure precise and consistent finished dimensions
- Improve surface quality by compensating for assembly imperfections



Configurable Planers for Every Mass Timber Application

Backed by decades of industrial planing expertise, OSI Machinerie has developed a complete line of self-centering planers designed to meet the diverse requirements of today's Mass Timber manufacturers.

With a wide range of configurable options—including 2-sided or 4-sided planing, multiple feed speeds, various cutterhead configurations, motor sizes, automation levels and numerous customization options—our machines are engineered around your products, your production goals and your manufacturing process.

Whether your objective is to maximize material yield, improve surface quality, support high-volume production or integrate seamlessly into an existing production line, OSI delivers a planer solution tailored to your exact requirements.

Find the Right Self-Centering Planer in Just Few Clicks

Scan the QR code and use our online selection tool to identify the planer that best fits your application.

