

OTHER HIGH PERFORMANCE PRODUCTS



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GENERATE GAINS & PROFITS WITH THE SCP

SELF-CENTERING PLANER

SCP-450
SCP-600
SCP-800



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SELF-CENTERING PLANER

OSI Machinerie introduces the European version of its **Self-Centering Planer (SCP)**. This technology has been commercialized for over 20 years in North American woodworking industry (Canada, USA).

OSI Machinerie's **Self-Centering Planer (SCP)**, makes optimal use of every single board, regardless of the type of defects (**cupped, twisted, cambered, splitted**), significantly increasing yield. The SCP ensures 100 % thickness accuracy of all processed pieces.

It removes the same thickness on both material surfaces (top and bottom). The independent suspension guarantees optimal calibration to allow simultaneous and accurate planing. This patented concept eliminates jamming and profit-gouging downtimes. The SCP can be located strategically based on the user's needs.

The SCP can be used for a variety of different manufacturing applications:

- Hardwood flooring
 - Hardwood lumber
 - Furniture
 - Doors and windows
- Components
 - Cabinets
 - Calibration



FEATURES

- High yield savings
- Vertical facing opposing heads
- Self-Centering segmented feed rolls and pressure fingers
- Minimizes hit and miss
- Eliminates burn marks and digging
- Batch feeding: each board is individually centered and calibrated despite its thickness
- Screen posted thickness
- Hydro-lock collars on each 76 mm posts (4)
- Spiral cutter heads with 4 sided rotating carbide inserts
- Reaches the largest possible surface
- Guarantees thickness accuracy of +/- 0.076 mm

BEFORE PLANING



AFTER PLANING



OPTIONS

Cutter heads spare assembly
Ampere speed level control
Cutter heads braking module
Air conditionning
Noise reduction insulation

APPLICATIONS

High efficiency when located before a scanner
The only planer that can be placed post-ripsaw
Pre-dry kiln planing improves uniformity



TECHNICAL SPECIFICATIONS

	SCP-450	SCP-600			SCP-800	
Max feed speed	50 m/min	30 m/min	50 m/min	60 m/min	50 m/min	60 m/min
Board width	450 mm max	600 mm max			800 mm max	
Board thickness	4 mm to 140 mm					
Material removal	<6 mm (each side)					
Board length	600 mm (minimum)					
Cutter heads motorization	2 x 30 kW	2 x 30 kW	2 x 55 kW	2 x 75 kW	2 x 75 kW	
Cutter heads spirals	10 spirals (5+5)	8 spirals (4+4)	10 spirals (5+5)	12 spirals (6+6)	10 spirals (5+5)	12 spirals (6+6)
Cutter heads diameter	152 mm diameter with replaceable 4 sided cutting inserts 15 mm x 15 mm x 2.5 mm					
Pressure fingers	32 mm segmented carbide fingers					
Segmented rolls motorization	4 x 2.25 kW	4 x 2.25 kW	4 x 3.75 kW	4 x 3.75 kW	4 x 3.75 kW	4 x 5.25 kW
Infeed segmented rolls	2 x top 2 x bottom					
Outfeed segmented rolls						
Locking system	Hydro-lock					
Voltage	380 V					