

Panel Sizing Centres – SEKTOR 4 SERIES



The new SEKTOR 4 series is designed and manufactured by SELCO, the brand within Biesse Wood Division specialized in panel sizing / cutting. This series of NC controlled beam saws contains technology solutions that make it suitable for small to medium sized companies as well as special departments of medium to large companies, thanks to its easy to use controls, axes speed and precision and to its sturdy construction.

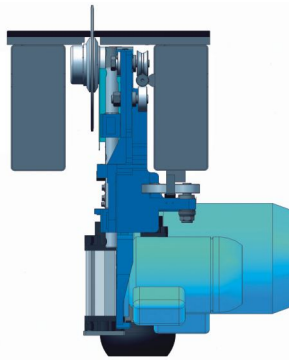
The series is composed of two models, Sektor 450 and 470, which differ in the maximum blade projection. Both models can be configured in their hardware and software aspects to suit any need.

Some of the standard features are as follows:

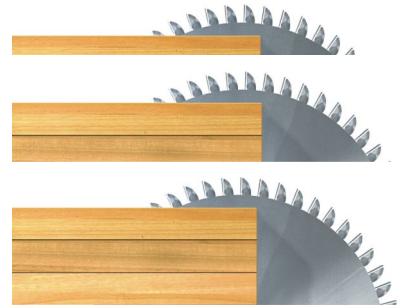
	SEKTOR 450	SEKTOR 470
• Max. Saw blade Projection	75mm	90mm
• Main saw motor	7.5 kW(10 HP)	11 kW(15 HP)
• Scoring saw motor	2.2kW(3 HP)	2.2kW(3 HP)
• Saw carriage speed	1-120 m/min	1-120 m/min
• Pusher speed	60 m/min	60 m/min



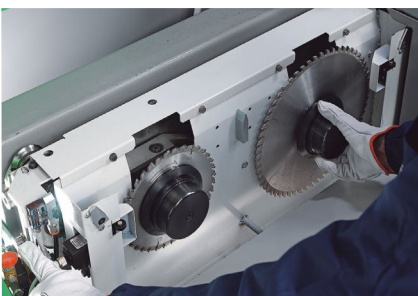
The machine base consists of a monobloc heavy duty normalized frame structure and strong supports assuring its perfect stability. The saw carriage guide ways are located on the monobloc structure, thus assuring their perfect parallelism and rectilinearity.



The special base structure and the positioning of the guide ways and guide rollers assure an optimal weight balance of the saw carriage. The absence of saw blade vibrations is granted by the top guide which is positioned right beside the saw blade hub.



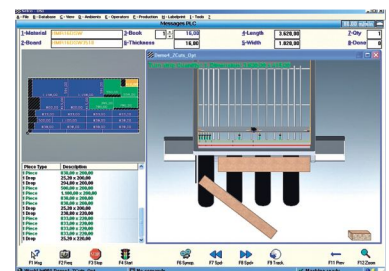
The main saw blade projection is automatically adjusted by the numerical control in relation to the thickness of the stack to be cut, thus obtaining the best cutting quality under any working condition.



“Quick change” system for fast saw blade change (patented). Independent raising and lowering of main saw blade and scoring sawblade is due to linear ball bushing bearings sliding on ground and hardened round bars. This system guarantees precision and rigidity to obtain a high cutting quality.



The side aligner is integrated with the saw carriage. It aligns perfectly even thin or flexible panels thereby reducing cycle cutting time.



The OSI numerical control guarantees the fully automatic management of cutting patterns by optimizing all machine movements (pressure beam, saw carriage, side aligner pusher positioning, etc.). For the best cutting quality, the numerical control adjusts the optimum saw blade projection for the stack of panels being cut and sets the most appropriate cutting speed, in relation to the stack itself.