

The new generation for perfect panel sizing

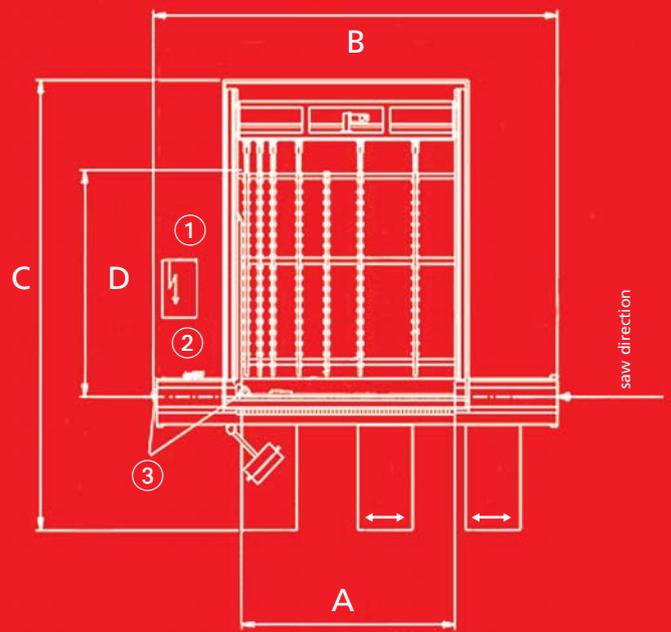
Quality and performance in perfection – the PA 4500 series for craftsmen.

The new development PA 4500 is based on the platform strategy of the larger, proven PA series. The Scheer developers have deliberately not trimmed the system, instead they have incorporated many state-of-the-art components that are required for industrial panel sizing systems into the new PA 4500 series. For example the particularly heavy machine bed design and the cast iron saw carriage with its dynamic rack and pinion drive or the wide sliding air-cushion table. Also, the performance data for machines in this professional segment has been significantly improved.

Thanks to its modular structure, the PA 4500 is ideally suited for all sizing tasks. Regardless of whether or the challenge is high performance or particularly critical panel materials, the PA 4500 is the right panel sizing saw for small and medium-sized enterprises that place great store on first class machine quality and of course best cutting results.



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① Electrical connection ② Air connection ③ Extraction

- ① Double sided supported saw carriage. Build as a vibration absorbing cast iron hollow chamber construction
- ② Material pusher as a solid, diagonal stable steel frame construction
- ③ Simple and clearly arranged operation of the panel sizing saw

The controlling of the panel saw is carried out using a Siemens SPS S7 that is directly integrated into the PC. The operating system is the comfortable Windows XP Professional. The operator communicates with the machine using a 17" TFT monitor. New systems and customisations of cutting plans are carried out using a graphically assisted dialogue mode. The subsequent tracking of the cutting procedure can be viewed on the monitor at any time.

Technique, which leads to precision cutting.

On the one side, this is a massive machine bed in a compact construction with wear free saw carriage bearings on both sides and on the other side, a perfect combination of exact angular guides and a high precision material feed system.

Optional is the wide range of available extensions, such as angular cutting device, part labelling or automatic feeding systems.

Measurements:

	PA4500-33	PA4500-43
A	3300 mm	4300 mm
B	5580 mm	6580 mm
C	6398 mm	7398 mm
D	3355 mm	4350 mm

Technical data:

Cutting length	3300/4300 mm
Saw blade projection	82 mm
Number of clamping fingers	6/7
Air cushion tables	1700 x 800 mm
Main saw	9,0 kW
Scoring saw motor	1,1 kW
Saw carriage feed	0-70 m/min
Saw carriage return run, lowered	130 m/min
Material pusher feed rate*	25 m/min
Material pusher return speed	85 m/min
Control system	Siemens S7

* within the EU to 25 m/min limits



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