

HANS KOCH GMBH

Holzbearbeitungsmaschinen und Werkzeuge

Woodworking machinery and tools

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Service



SCHEER
KOCH



Panel Sizing Saw

PA 8500-PA 8505



The high-tech saw for highest demands

Quality and performance combined in one machine - the PA 8500 series -

The modular concept of the PA 8500 offers an optimal, customer-specific solution. Numerous extensions for manual and industrial panel cutting are individually configured; e.g. postforming, top trim or depth cut saw, parts labelling, automated loading and stacking and much more.

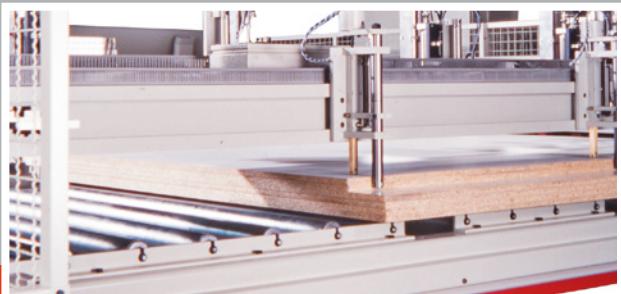
The series is characterised by a particularly solid machine construction with the highest degree of workmanship. It becomes evident by looking at the impressive SCHEERKOCH-saw carriage technology, with unique details that guarantee a recognised high cutting quality. This also applies to the high transfer rate, i.e. full bundle height.

Control is carried out via a Siemens PLC S7, which is integrated directly into the PC. Windows 7 Professional is used as the operating system as it offers convenience and stability. Creation and adaptation of cutting plans are carried out by means of graphical supported dialogue mode. The cutting process can be followed at all times on the monitor. The on-board ARDIS cut-to-size optimisation as well as interfaces to CAD, work preparation and labeling complete the system's ability and performance.

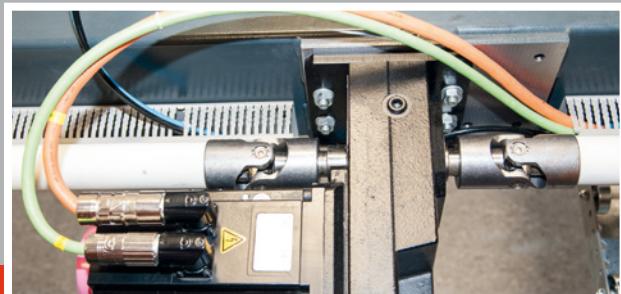
Technology, which leads to precision cutting

On one hand, the solid machine base bed in a compact design, with wear-free, double-sided storage of the saw carriage. On the other hand, the perfect interaction of a precise aligner and a high-precision, dynamic material slide.

The high efficiency of the 3-point direct extraction hose on the saw carriage, pressure beam and in the cutting area of the angular fence as well as directly driven saw blades contribute to the reduction of operating costs.



lift table feed optional



servo motor material stop

How is this machine possible and permanently guaranteed?

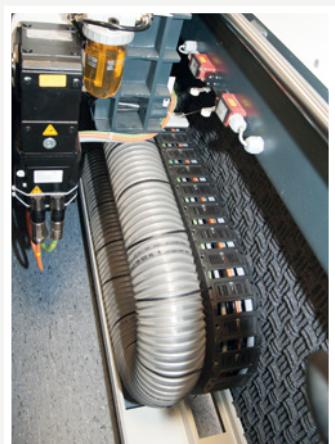
- The machine is very compact and requires a minimum amount of space.
- The electrical connection values are designed for economical power supply.
- The compressed air requirement is reduced depending on the workpiece.
- The extraction system for the disposal of sawdust is easy to install and requires low air requirements.
- The adjustment work is easy to understand and screen supported.
- The machine has pre-programmed, standard-program programs, which can be easily adapted to operational requirements. This facilitates operation during the initial setup.
- All settings can be safely saved for later use.
- For similar workpieces, stored values can be changed quickly.
- All workpiece dimensions are displayed on the screen,
- as is the cutting process in word and image.
- Editing programs can also be accessed from an external work station, e.g. work preparation, can be transferred directly to the machine.
- Solid wood, wood materials, many plastics and composites can be machined on the machine; special solutions are available for special cases.

The machine and the technology described are based on our long standing expertise in mechanical engineering. The foundation is based on the experience of C.F.Scheer & Cie.

We, from Scheer-Koch, continuously develop this modern technology. The constant contact with our customers in Germany, Europe and overseas facilitates our work.

You also have the opportunity to obtain an overview of the performance of the panel sizing unit by using your workpieces on a ready-to-use machine in our permanent machine exhibition.

Your satisfaction is our success.



saw carriage with direct drive



fully automated aligner

Technical data



Status: 4/2017, subject to technical modifications

Technical data 8500-8505

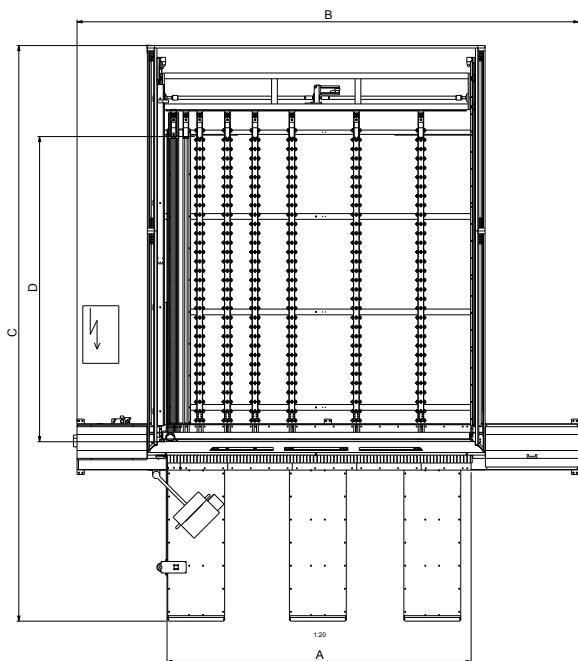
Cutting length*	3100 / 4200 / 5700 mm
Saw blade projection	115 / 135 mm
Number of clamps	6 / 7 / 9
Workpiece support table	2406 x 800 mm
Saw aggregate	9 / 11 / 15 / 18 kW
Scoring motor	2,2 kW
Saw carriage feed	0-100 m/min
Saw carriage, reduced	130 m/min
Feed speed slider**	25 m/min
Reverse speed slider	130 m/min
Control	Siemens S7

* further upon request

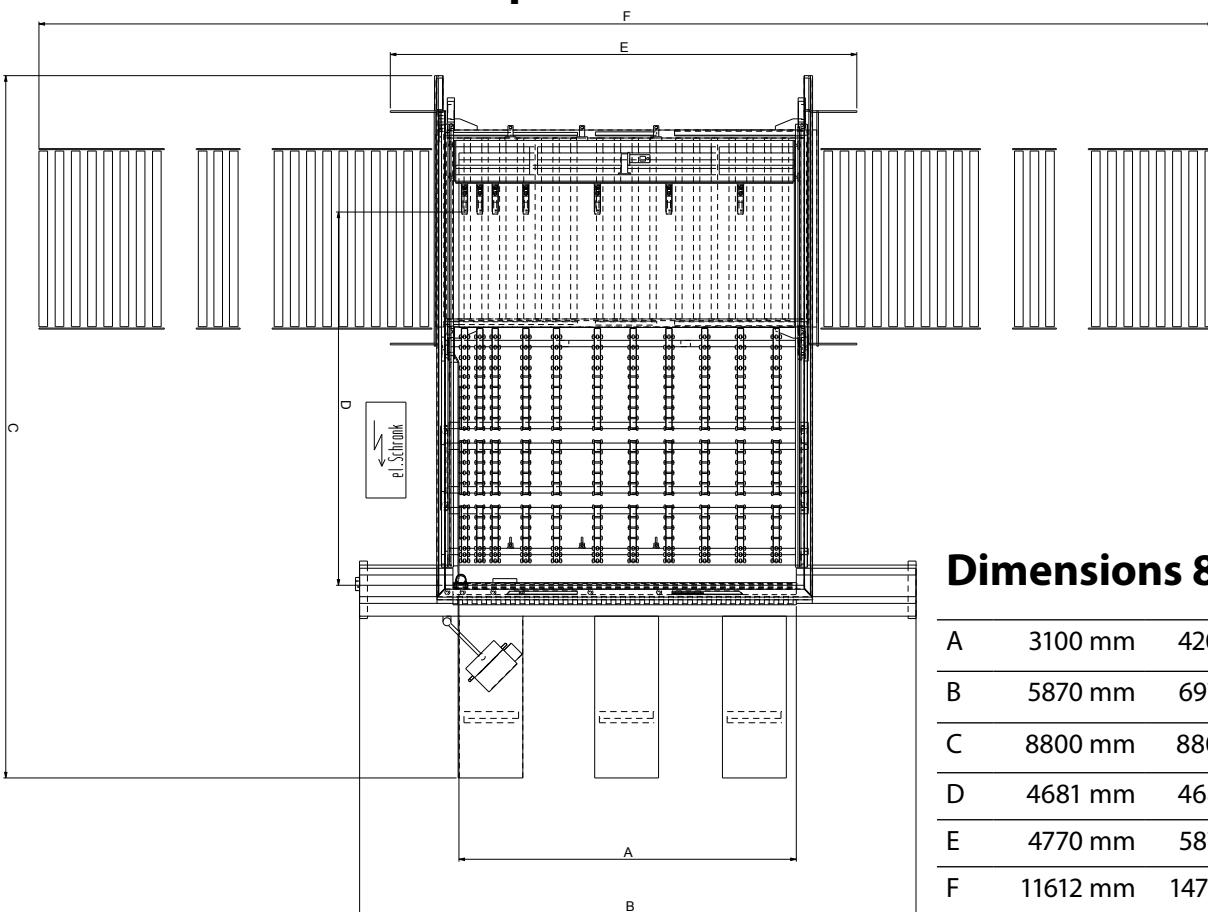
** within the EU limited to 25 / min

Dimensions 8500

A	3100 mm	4200 mm	5700 mm
B	5870 mm	6970 mm	8470 mm
C	6820 mm	7920 mm	9420 mm
D	3150 mm	4250 mm	5750 mm



PA 8504 lift table feed optional



Dimensions 8504

A	3100 mm	4200 mm	5700 mm
B	5870 mm	6970 mm	8470 mm
C	8800 mm	8800 mm	9869 mm
D	4681 mm	4681 mm	5750 mm
E	4770 mm	5870 mm	7370 mm
F	11612 mm	14712 mm	16212 mm