



Saw E9-500



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THE CUTTING EDGE SAW FOR TOTALLY AUTOMATED OPERATIONS

The Elematic Saw E9-500 saw is designed for cutting prestressed products such as hollow-core slabs, T-beams, and half slabs. It is the right solution for a producer who needs automated cross, longitudinal, and diagonal cutting. Elematic cutting technology is based on completely modern and safe design, utilizing the latest electronic controls.

The maximum thickness of the slab to be cut is 520 mm. The cutting angle is infinitely variable between 0° and 180°. The saw can also be totally automated for cutting any precast units which are cast on a casting bed.

Saw E9-500 is compact with a low frame, it is easily usable even in existing facilities with height limitations. Due to the versatility of Saw E9-500, all cutting can be done with the same saw. Automatic operation with laser positioning ensures accurate cutting with less labor needed. Depending on the connection setting between the production management system and the saw, the operator can choose whether to do the cutting manually or automatically.

The Elematic Saw E9-500 is designed with an eye for ease of maintenance and an extended blade life, using only a few wearing parts.

Health and safety issues have been important guidelines when developing the saw. A motorized telescopic blade cover together with a powerful dust/slurry removal vacuum remarkably reduce noise and the spreading of cutting dust. A bed production plan with cutting details is automatically generated from the ELIPLAN ERP software. Additionally, the on-board computer constantly collects and provides a stream of information assisting in wear part and service management.

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Standard facts about the end product:

Type: saw for cutting 1200-mm-wide hollow-core slabs, T-beams, and half slabs using an automatic positioning and cutting cycle

Slab dimensions:
Width max 1220 mm (40")
Height max 520 mm (20.5")
Crosscut: 90°
Longitudinal cut: 0–180°
Splitting: 0° or 180°

Benefits at a glance:

- Automatic positioning and user programmable cut cycles
- Product-specific cut programs correct parameters, e.g. according to strand number, enabling optimized cutting
- Fast cuts and maximum blade life with intelligent cutting speed control
- Blade cover programmable to bypass, for example, additional reinforcement or lifting loops above the slab top cover
- Large informative touch screen with, for example, Program Monitor (status info, blade info, target, program step, speed limit)
- Blade register holds information on blade life, maintenance, and cutting times, all saved by Onboard computer from which data can be easily exported to Excel files
- Powerful dust/slurry removal with integrated sludge tank reduces emissions and has positive effect on the cleanliness of the workplace
- Automatically adjusting blade cover minimizes emissions (noise, dust, water)
- Optionally available with handheld remote control. With remote control the operator is free to move performing other tasks and/or follow cutting work more precisely.
- Ergonomically designed remote control option available

Facts about Saw E9-500

Length (with cable/hosedrums)	5470 mm
Width	1680 mm
Height	2580 mm
Wheelbase	3915 mm
Rail gauge (Standard Elematic bed)	1290 mm
Blade diameter	800...1350 mm
Weight (with drums)	6500 kg
Power supply	3P+PE, 400 V, 50 Hz
Connection power	65 kW
Blade motor	55 kW
Moving speed	Max. 0.67 m/s
Water pressure at the saw (after water hose)	Min. 2 bar

Easily serviceable dust reduction system.



The remote controlled operations enable more flexible work management (i.e. simultaneous working with a cover or collecting slabs) as well as a greater distance from the source of noise.



Elematic supplies precast concrete machinery and complete production plants for building construction worldwide. Elematic is the leading one-stop-supplier for precast concrete technology.

Our customers are in the business of floors, walls, frames, and foundations – some specialize in one area and some are active in all of them. Precast solutions for all needs – from small scale production plants to huge operations with the same high standards for structural and architectural design. We offer support throughout the entire life cycle, assisting our customers to achieve maximum profitability regardless of the investment level.

That's our offer.

