

SLIPFORMER

SlipMaster EF5000Z



Key words: slipformer, hollow-core slabs, zooming



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1. Introduction

With new slipforming technology, SlipMaster EF5000Z, you can produce hollow-core slabs of varying sizes quicker and more conveniently than ever before. If you need only a small series of 250 mm, 9-void slabs, for example, you can cast the exact amount required and then just press the button on the machine to change the produced slab thickness to 200 mm – the adjustment is done in a minute and without having to change the casting unit.

With this extraordinary zooming slipformer, you can cast one bed, or even half a bed, with 250 mm slab thickness, and the next bed can be of 200 mm thickness, for example. With two casting units, you can for instance make 9-void hollow-core steplessly from 200 mm to 320 mm, or 7-void slabs from 250 mm to 400 mm. If you acquire all four available casting units, you can produce all variations of slab thickness. With this feature of changing slab thickness on the fly, the SlipMaster EF5000Z allows you sell your products to customers more diversely. You can offer your services for smaller construction projects requiring only limited amounts of hollow-core, just as cost-efficiently as for customers requiring larger series of slabs - which you naturally can make just as handily as smaller series. In addition, you have the advantage of being able to deliver your product quickly.

1.1. Advantages

- thickness change on fly, steplessly
- allows short series

1.2. General data

SlipMaster EF5000Z is used to produce prestressed hollow-core slabs with 7 and 9 voids.

Casting width: 1.2 m.

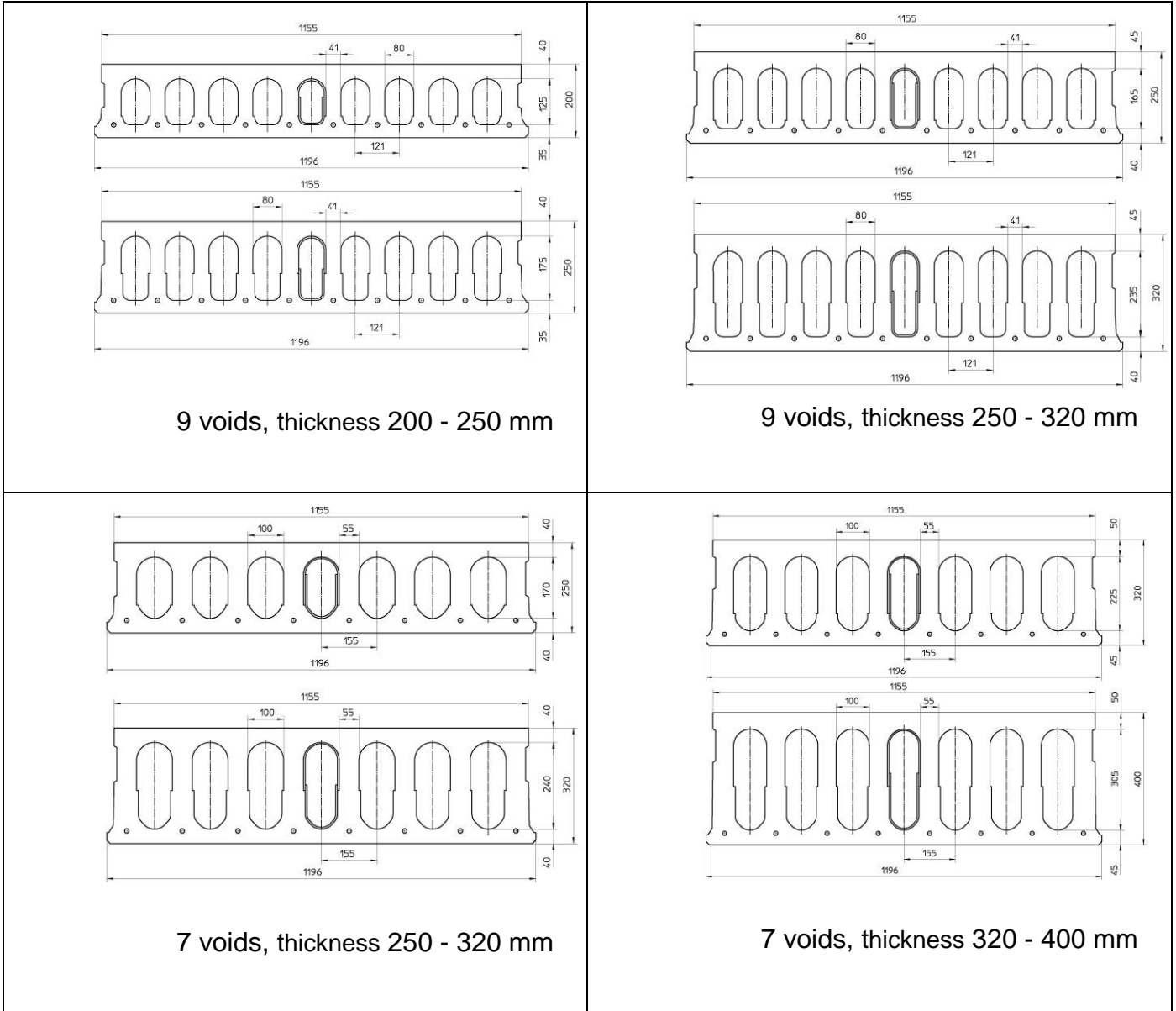
Thickness 200 - 400 mm with 4 casting units:

- 9 voids, 200 - 250 mm
- 9 voids, 250 - 320 mm
- 7 voids, 250 - 320 mm
- 7 voids, 320 - 400 mm

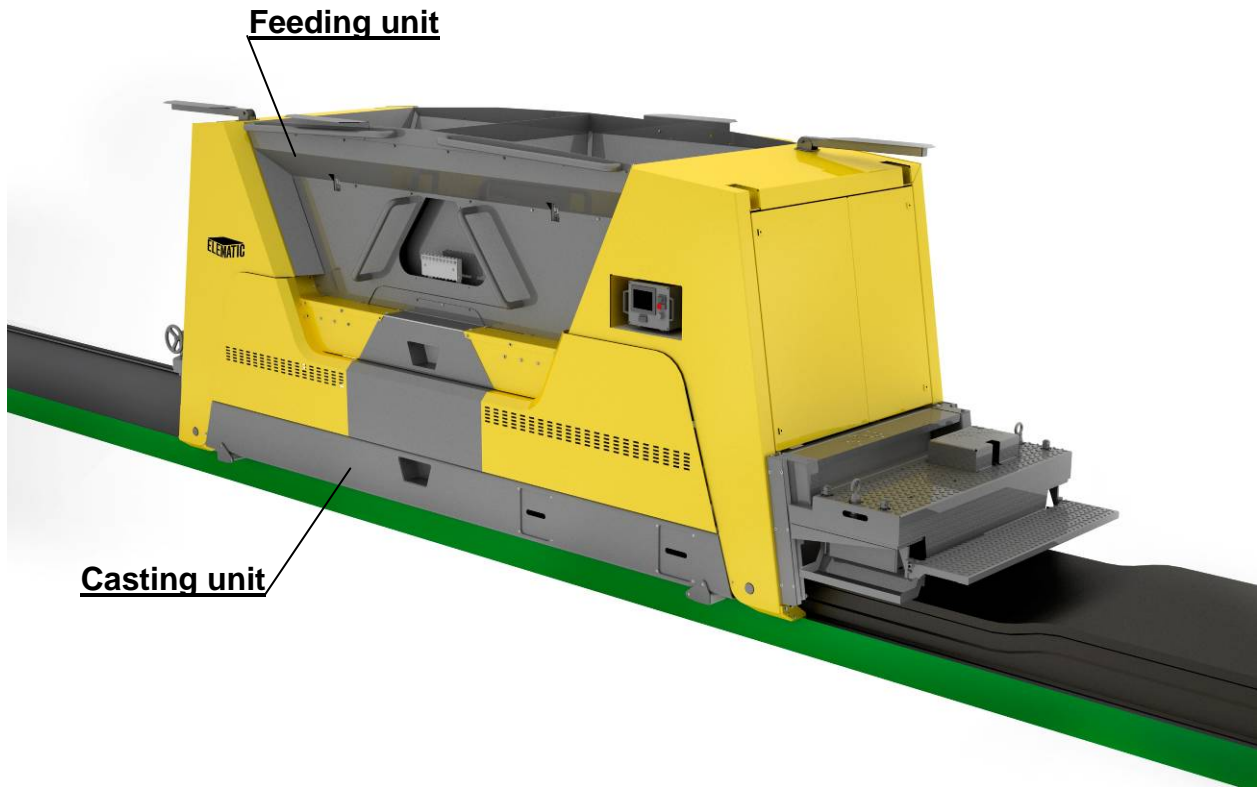


1.3. Detailed data

Cross sections



2. Key features



3. Product components

The SlipMaster EF5000Z consists of an upper part (feeding unit) and a lower part (casting unit) attached to each other by quick-connection bolts.

All functions of the machine are electrical. The electrical connections between the upper and the lower part are gathered to quick connection groups that are easy to connect.

3.1. Feeding unit

- The feeding unit consists of a 2-compartment concrete hopper (2,6 m³) with electrically operated plate-feeder on the lower edge.
- Control of concrete feeding for 1st and 2nd feeding stages.
- Strand guides for upper and lower strands are located in front part of the machine.
- The unit is equipped with a control enclosure.

- Adjustable water feeding device for upper strands.
- User interface with an informative multi-language touch-screen display, which is movable to the other side of the unit.
- Casting speed and height are steplessly adjustable within adjustment range.
- In automatic drive, the amount of concrete is controlled with sensors located in the concrete hopper.
- Feeding unit can be connected to a supply net with ratings given below.
- 4-wheel drive
- The rail gauge (from outer edge to outer edge) is 1290 mm.

3.2. Casting unit

- Casting unit for hollow core slabs with seven or nine voids consists of two feeding and compacting stages.
- Strand guides for upper strands are located in middle part of the machine.
- The speed of the to-and-fro-movement of core and side plate sets is infinitely variable.
- The casting unit can be adjusted for different slab heights (within adjustment range) by changing settings in the control panel (automatic adjusting of hollow-core sleeves, tamper, feeding hopper II and vibration stage II).
- At least one of the options of the slab-height specific exchange part sets must be chosen for the casting unit.

4. Technical data

SlipMaster EF5000Z

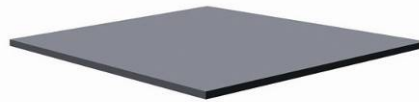
Length	6700	mm	Power supply	3P+PE, 400V, 50Hz
Width	1650	mm	Connection power	32 kW
Height	2300	mm	- feeding unit	12 kW
Weight	8470	kg	- casting unit	20 kW

5. Additional information





Elematic is a leading supplier of precast concrete machinery and equipment as well as the only supplier capable of delivering complete production plants anywhere in the world. Elematic's superior technology and industry expertise is currently in use in more than 100 countries across five continents. Elematic is headquartered in Toijala, Finland.



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