



TECHNICAL DATA SHEET

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1. Product Specification

Trade Name: **LithoPore® Cutting Machine SM100**



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The **LithoPore® Cutting Machine SM100** is a dust free wire cutting machine. The machine is available as a semi automatic system or fully automatic system. For the fully automatic system in addition also the optional automatization kit has to be acquired.

LithoPore® Cutting Machine SM100 is part of the fully automatic LithoPore™ foamed concrete block plants. It is suitable to cut wet foamed concrete up to ~200 kPa of compressive strength.



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2. Advantages at a glance

- Dust free cutting process
- Reduced wastage material due to finer sawing wires
- Low maintenance costs
- Fast exchange of wires
- Flexible block design possible

3. Description

- Three cutting towers: 1x top and bottom cutting, 2x various cutting directions (all sides of the block will be cut)
- Automatic cutting process, each cutting tower is running separately
- Block height is fixed through mould height
- Flexible block dimension (subject to change)
- Minimum block thickness 75 mm
- Maximum internal mould dimensions (1220 x 1220 mm) (subject to adjustments)
- Maximum block height 620 mm (subject to adjustments)
- Adjustable cutting speed through hydraulic system

Automatization kit: With the automatization kit the blocks will be automatically pulled through the three cutting systems and the cutting towers are electronically controlled in combination. Without the automatization kit the blocks have to be shifted manually from one cutting tower to another.

4. Technical data

Tower quantity:	2 x vertical cutter, 1 x top and bottom cutter
Cutting speed:	subject to regulation
Placing table:	included, 1 set
Sample mould:	included, 1 set (1220 x 1220 x height 620mm)
Rail system:	not included, optional
Automatization kit:	not included, optional
Capacity, min:	8 cubic meters per hour
Capacity, max:	14 cubic meters per hour
Dimensions [mm]:	Tower 1: 1935 x 995 x 2000 (H) Tower 2 and 3: 2090 x 2100 x 2100+750 (H)

5. Application

The **LithoPore® Cutting Machine SM100** is only suitable for the cutting of wet foamed concrete LithoPore™ up to ~200 kPa of compressive strength.

Procedure

- The block including mould will be placed on placing table.
- The mould will be opened
- The placing table included the block will be automatically drive through all three cutters. (in combination with automatization kit, optional)
- Cut block has to be placed in further waiting area before final package

