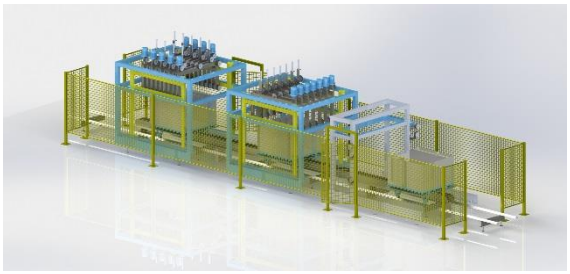

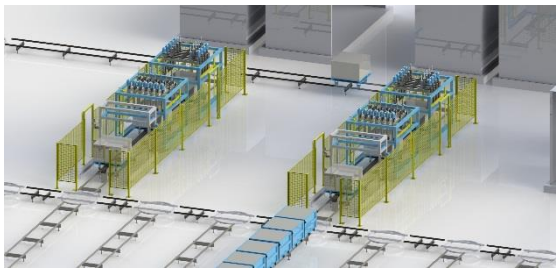

Machine might vary in reality

Section 1: Product Specification

1.1. Trade name

LithoPore® Cutting Machine SM150

1.2. Manufacturer

LithoPore Europe GmbH
Email::info@lithopore.com

The **LithoPore® Cutting Machine SM150** is a dust free automatic wire cutting machine. It is suitable to cut wet LithoPore® Aerated Concrete- LPAC up to ~200 kPa of compressive strength.

Section 2: Advantages at a glance

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

Section 3: Description

- Pre cutter for top and bottom cutting
- 3 x Main cutter for vertical cutting (longitudinal and transversal)
- Fully-automatic cutting process
- Block height is fixed through mould height
- Flexible block dimension
- Minimum block thickness 75 mm
- Maximum internal mould dimensions (1220 x 1220 mm) (subject to adjustments)
- Maximum block height 700 mm (subject to adjustments)

Section 4: Technical Data

Powerage

Tower 1	1.12 kW
Tower 2	4.73 kW
Tower 3	5.95 kW
Tower 4	-5.95 kW
Driving Chain	1.50 kW
Air compressor	6.00 kW
Additional	1.50 kW
In total	**26.75 kW**
Voltage	400 V, 50 Hz
Current	67,0 A
Tower quantity:	1 x top and bottom cutter 3 x vertical cutter
Cutting speed:	subject to regulation through software
Capacity, min:	8 m³ per hour
Capacity, max:	12 m³ per hour
Effective capacity:	depends on numbers of vertical cuts
Rail system:	included
Sample mould:	included, 1set (1220x1220x700mm)
Storing / operating temperature:	+5°C to +60°C

Section 5: Application

The **LithoPore® Cutting Machine SM150** is only suitable for the cutting of wet LithoPore® Aerated Concrete - LPAC up to ~200 kPa of compressive strength.

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Section 6: Cutting Procedure

- The moulds have to be opened before cutting process begins
- The block is staying on the mould basement
- The block on mould basement will be placed on starting position.
- A chain will automatically bring the block to the first cutting position.
- Tower 1 for top and bottom cutting will drive automatically through the block.
- The block will be than transported automatically with the chain into Tower 2.
- The first vertical cut (longitudinal cutting) is done fully automatic (200mm or 150mm width)
- After the cut is finished the chain will bring the block automatically into Tower 3
- The vertical cut (transversal cutting) is done fully automatic (200mm or 150mm width)
- After the cut is finished the chain will bring the block automatically into Tower 4
- The second transversal cutting process is done fully automatic and is resulting into 100mm or 75mm width.
- The chain is pushing the block out of the cutting machine.
- Cut blocks have to be placed in further waiting area before final package
- 4 blocks can be cut simultaneously

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