

Echo Precast Engineering NV, 3530 Houthalen, Belgium

A new player opens production site for hollow-core slabs in Belgium

The Belgium market finds a new player for prefabricated concrete elements: the production site of Larco Prefab S.A. was opened recently in Welkenraedt, Belgium. Based in the "East Belgium Park" the new company, belonging to the construction enterprise G. Collard S.A., Belgium, has built a factory in the industrial zone, situated between the cities Welkenraedt, Baelen, Eupen and Lontzen. The park with a size of 320 ha is the second biggest industrial area in the province of Liège, ideally connected to the motorway E40, that connects Liège with Aachen, Germany.

Larco produces with 12 employees a range of prefabricated concrete elements such as hollow core slabs, columns, wall-panels, soccles as well as solid flooring elements.

To set up their production of hollow-core slabs and pre-stressed elements Larco relied on machinery from Echo Precast Engineering, Houthalen, one of the seven companies belonging to the Progress Group, a leading full-range supplier to the precast industry.

Echo delivered the full range of machinery and equipment: with a Slipformer S-Liner®, a concrete distributor full portal, an automatic, battery-powered plotter, different sawing machines for wet and hardened concrete, a concrete aspirator and a multi-functional trolley Larco is equipped to produce on four beds.

Core of the production is the Slipformer S-Liner with its modular machine structure: height differences in the same product series can be produced by quick, problem-free changing of the tube and mould set. Changing to a completely different product can be completed even more quickly by replacing the product-related module. Larco is now offering hollow-core slabs with a thickness of 12, 15, 18 and 20 cm and a width of 0.60 m and 1.20 m.

Echo Precast was the partner of choice to deliver further equipment that rounds up the production process. A computer transmits data either by USB-stick or wireless to the automatic plotter, that draws either project identification



Larco is producing pre-stressed precast concrete elements on four production lines. Heart of the production is the Slipformer S-Liner® from Echo Precast Engineering.



A multi-angle saw, a fresh concrete saw, an automatic plotter, a concrete distributor an absorber and a multifunctional trolley round up the production equipment delivered by Echo Precast.



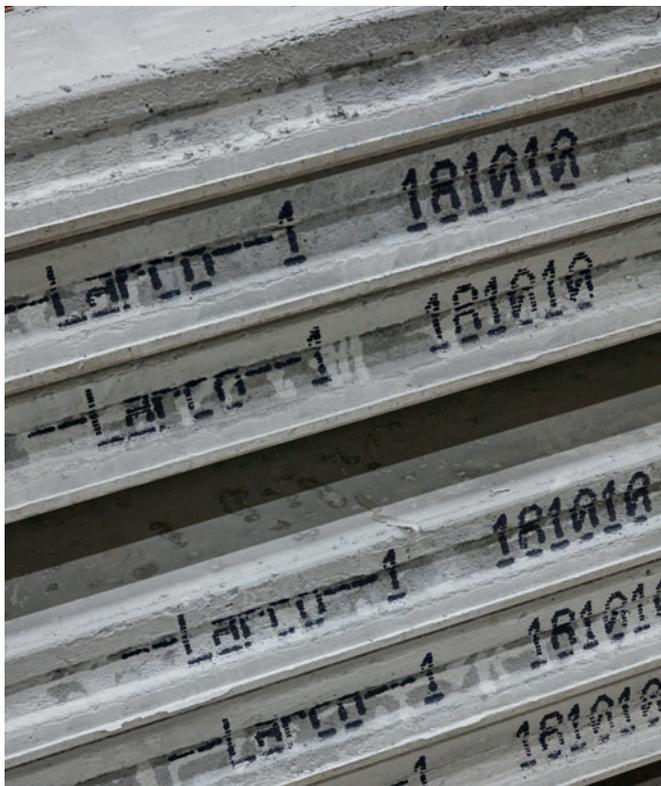
The multi-angle saw machine is able to cut to the desired length at 90 degree angle, lengthwise sawing at 0 or 180 degrees, and diagonally at all angles between 90 and 0 degrees as well as 90 and 180 degrees.



The automatic plotter draws either project identification data or patterns for areas that needs to be cut out of the slabs.

data or patterns for areas that needs to be cut out of the slabs. It can draw either on top of the slabs or on the side parts. Two different sawing machines, one for fresh concrete and one multi-angle sawing machine (MAS) which is used for cured concrete cut off the areas marked by the plotter.

The MAS-machine is able to cut to the desired length at 90 degree angle, lengthwise sawing at 0 or 180 degrees, and diagonally at all angles between 90 and 0 degrees as well as 90 and 180 degrees. Sawing speed is adjusted automatically by means of the electronic sawing motor power control.



With the plotter from Echo Precast concrete parts can be marked on the sides with identification details.



Larco produces with 12 employees a range of prefabricated concrete elements such as hollow core slabs, columns, wallpanels, socles as well as solid flooring elements.

The multi-functional trolley is rounding up the production process as it is used to prepare the production beds. It is equipped with rotating brushes that clean the beds, it pulls the strand and wires along the beds and oil them.

Echo Precast accompanied the whole process of planning of the production site, installation and implementing the machinery. "Echo was the partner of choice as they have a long-term experience in designing the machines according to customer needs." says Mr Georgy Collard, Director of Larco. "With our new production line we feel very well equipped for upcoming and increased demand for customized prestressed precast elements." ■

FURTHER INFORMATION



Larco Prefabrication S.A.
 East Belgium Park
 Rue de l'Economie 9
 4840 Welkenraedt, Belgium
 T +32 87 315410
info@larco.pro
www.larco.pro



Echo Precast Engineering NV
 Industrieterrein Centrum Zuid 1533
 3530 Houthalen, Belgium
 T + 32 11 600800
info@echoprecast.com
www.echoprecast.com



Progress Group GmbH
 The Squire 15
 Am Flughafen
 60549 Frankfurt am Main, Germany
 T +49 69 77044044
info@progress-group.info
www.progress-group.info



Machines for the surface finishing of concrete elements