

Nordimpianti System Srl, 66100 Chieti (CH), Italy

Market growth of prestressed concrete slabs in Vietnam

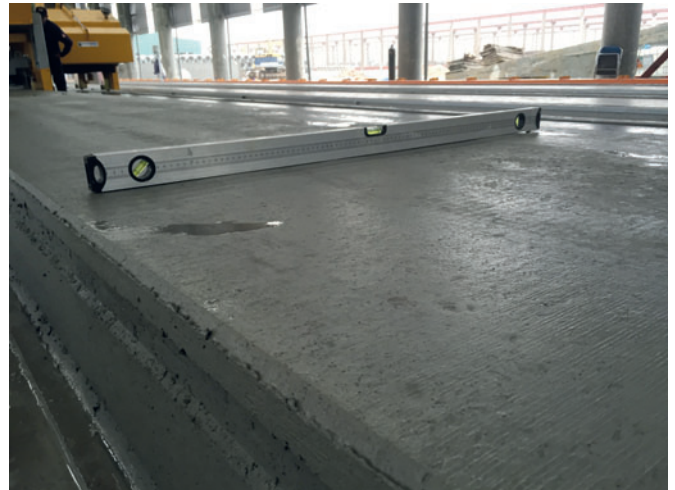
The growth of the construction market and the desire to make improvements to building quality are pushing Vietnamese companies to use new technologies and in particular with regards to precast elements. One of these companies is Minh Duc Concrete & Construction Company who has just launched a new and modern plant capable of producing a wide range of prestressed hollow core slabs using extrusion technology.

Minh Duc was established in 2005 in Hai Phong and operates in various branches of the construction industry, both in civil and industrial sectors. It was the first manufacturing facility in North Vietnam producing prestressed foundation piles manufactured by the centrifuge process and has always been open to importing new technologies from abroad.

The quality and range of its products manufactured under the company ethos of "Solid for life" help it maintain its market position and make it a "go to" business for construction projects in the area.

Today Minh Duc is active in many aspects of construction offering its customers a variety of products and services such as:

- Ready-mixed concrete;
- Production of iron, steel and construction materials;



Detail showing the quality and flatness of the product surface immediately after casting

- Transport of products by land and sea;
- Civil and industrial building construction;
- Purchase and sale of Industrial land.

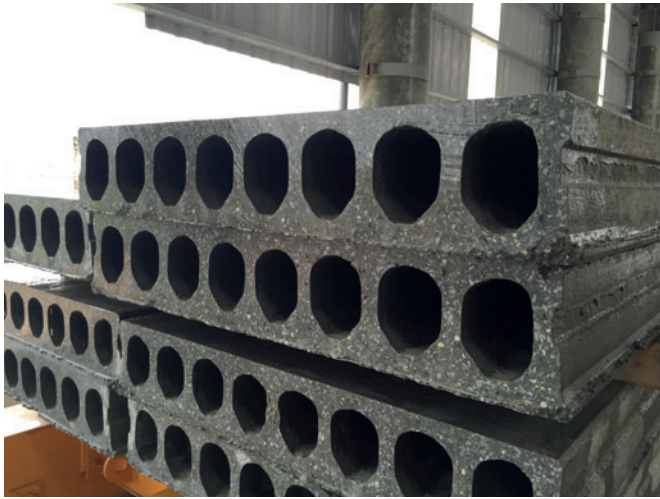
Minh Duc has recently added prestressed hollow core slabs to their range of products.



General view of the new production plant of hollow core slabs in the city of Hanoi



Extruder Evo production machines during casting



8 and 5 hole hollow core slabs. A point of note is the high quality of compaction at all points on the element

Minh Duc have always sought to optimise resources and processes and a specialist team use the ISO 9001-2008 quality control management system to guarantee the highest quality products.

In 2010 Minh Duc went further and implemented the Japanese 5S management model to both its production and business departments. The 5S model, Sort, Set in Order, Shine, Standardize and Sustain is a methodology to optimise company efficiency and good practice. A sixth "S" can also be considered to be added in the form of Safety, something that Nordimpianti, the Italian company that supplied Minh Duc with the new production line builds into its designs as part of their machine's DNA.

The new production unit is located in the city of Hanoi. The strategic location of the plant means that the company will be well situated to supply the new floor slab elements to the whole region.

The decision to choose Nordimpianti came after analysis of other potential suppliers. Nordimpianti is well known in South

East Asia having built an enviable reputation over the years for the high quality of its machines and after-sales services. During the decision-making process Minh Duc confirmed this reputation by visiting several Asian factories that use Nordimpianti machines and seeing at first hand their impressive performance. All these factors played a key role in dispelling any doubts about choosing Nordimpianti as the ideal supplier.

The new plant has been designed with a production capacity of 300,000 square meters per year of hollow core slabs.

The main production area consists of six 150 m production beds for the production of prestressed hollow core slabs for floors and non-load bearing partition walls.

To produce the prestressed hollow core slab Minh Duc chose the extrusion method using Nordimpianti's Evo Extruder complete with two forming inserts capable of producing elements 150, 200, 250 and 300 mm high.



Multi-function cleaning machine during the preparation of the production bed



Multi-angle saw carrying out element cutting



Lifting of the hollow core slab from the production bed

Nordimpianti completed the order with the supply of a multi-angle saw, a multi-function cleaning machine and all the equipment required for prestressing.

Aware of the importance that efficiency has on a company Minh Duc has invested, not only in quality machinery but also in comprehensive management software that can handle the entire process, from the design of the hollow-core slab to the logistics of production.

Minh Duc is a good example of how Nordimpianti delivers its products and services, meeting demands and expectations with customer orientated solutions. The new plant went into production in February 2017 and not only has it been a great success but has seen a mutual respect develop between the two companies during the course of the project. After many years of investment this new plant further strengthens Nordimpianti's claim as a market leader in the Asian region.

For its part, the Vietnamese company has further diversified its range and is now able to offer its customers more solutions to support the growth of the construction market with its high quality products.

Minh Duc has already begun preliminary studies to increase its production capacity up to 600,000 square meters per year further increasing its territorial coverage in the region. ■

FURTHER INFORMATION

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