



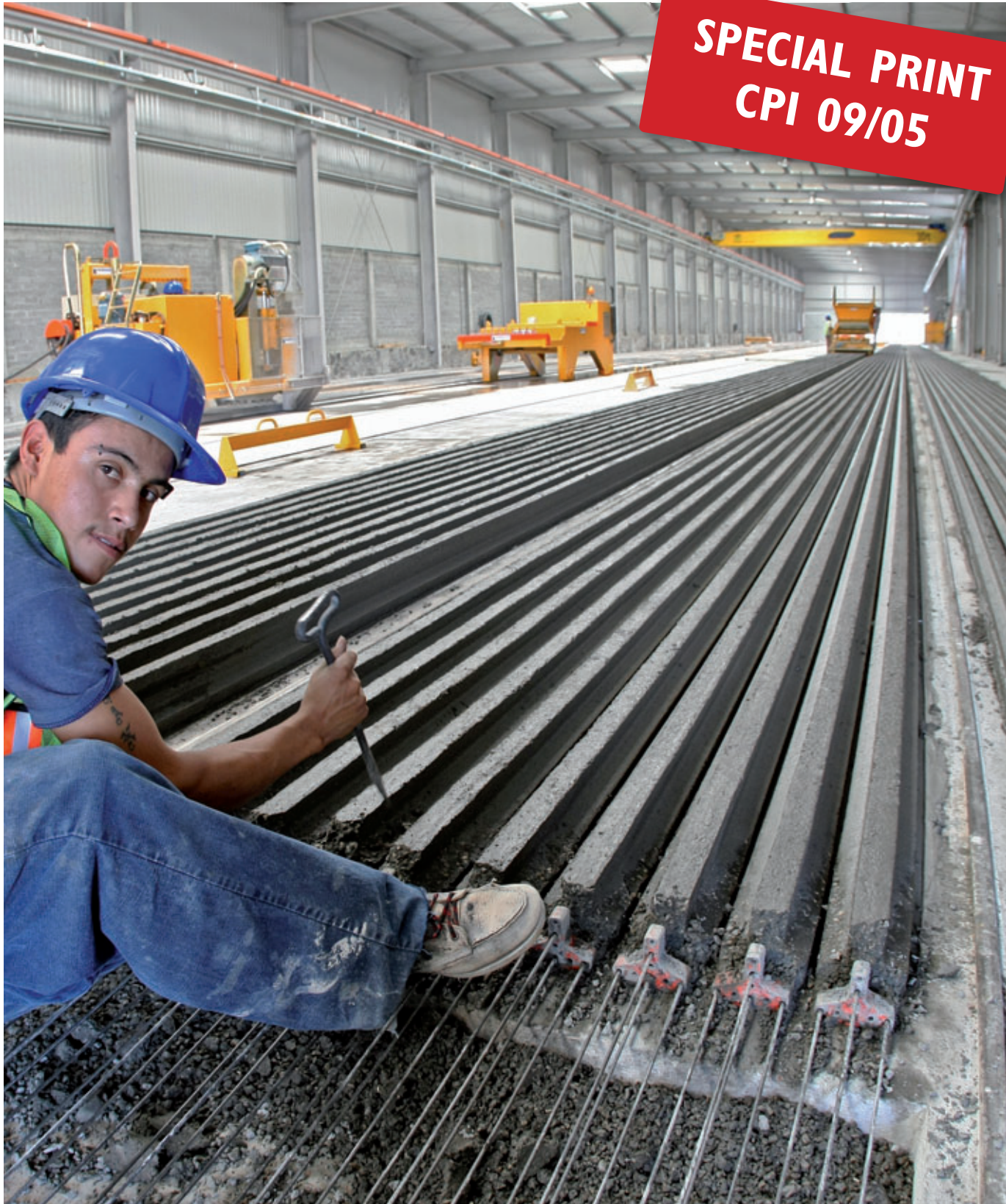
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SPECIAL PRINT | PRECAST CONCRETE ELEMENTS

Ansa Prefabricados: A New Plant "Made in Italy" in the "City of Eternal Spring"

**SPECIAL PRINT
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Nordimpianti System Srl, 66100 Chieti (CH), Italy

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Ansa Prefabricados, a company established in 1987 in Mexico, has much experience in the building industry. After commencing production of concrete elements in 2000 such as concrete blocks, pavers and bricks the company decided to complete its range of products with prestressed concrete T beams. The objective was to offer a complete flooring system to the customers and to give them the “know how” in order to use and construct with the concrete elements.

The company is situated in the region of Morelos, in the centre of the country. This region produces 40 % of all exports and makes up 40 % of the country's GDP. Within this environment the company has been able to seize the opportunity of a very rich market that offers business opportunities in different sectors and in particular, in the building industry. Moreover, because of infrastructure development, supported by government programmes, the Morelos region has one of the best highway systems in all of Mexico with 2000 km of roads, 78 % of which are asphalted. The region is also crossed by two of the most important motor-

ways in Mexico. The Mexican market is developing its potential. It represents a bridge from North to South America. It is commercially central, attracting international investment and Italy has an important place in terms of offering quality and experience to a country which is in continuous development.

From the Italian expertise characterised by the “Made in Italy” logo, Nordimpianti offers solutions for supplying machinery and

complete production plant for the manufacture of pre-stressed concrete elements.

Nordimpianti's headquarters are based in Chieti in the centre of Italy, and within easy reach of Rome. It lies within the beautiful countryside of Abruzzo where amongst the wonderful landscape there has always been a hub of activity in the precast industry. Nordimpianti has always been a major part of this centre of excellence. The company is one of the most important companies in this sector at an international level. Thanks to over 30 years experience Nordimpianti's casting machines (Slipformer and Extruder Systems) can produce a wide range of products such as vineyard posts, T beams, lintels, Predal panels, U-Panels, up to the large 1m double T panel and hollow core slabs used for the most demanding construction applications.

The company started its activity in 1974 but it was in the 1980's that the company, thanks to an enterprising and ambitious team, began to look for new challenges and began to create a network of local commercial partners in order to export the technology to all of Europe and all over the world. Today the company is active in many different countries, in all of Europe, Russia, India, Ukraine, Saudi Arabia, Iran, Libya, UAE and the emerging markets like Burkina Faso and Ghana, which have led Nordimpianti to constantly invest and increase its business.



Nordimpianti's casting machine slipformer (2a) and extruder (2b)

Initial contact

Nordimpianti and Ansa first met in Italy in September 2001. At that time the Mexican company was already thinking seriously about diversifying its production. After careful research of potential suppliers, Ansa Prefabricados turned its attention to Nordimpianti and started to visit several plants in Italy. Also Nordimpianti had several technical meetings at the customer's plant in Mexico where Nordimpianti used its expertise to help and support the project suggesting technical solutions and advising of the best production layout taking into account the local market. The mutual understanding gained by the technical and commercial departments of both companies led to the signing of the contract in 2006 and, one year later, to the great satisfaction of both sides, to the commissioning of the plant. Ansa Prefabricados has always paid a lot of attention to details of single production phases and appreciated Nordimpianti's technology advantages. In particular, Ansa Prefabricados was interested in low production costs, minimising maintenance, attaining long machine life, producing high quality elements and having an after sales service which supported the customer both with the important phase of plant commissioning and in future solutions to react to ever changing local market demands. Examples

of the advantages of the Slipformer system from Nordimpianti are: wide range of concrete elements that can be manufactured; minimum maintenance; long machine life; rapid changeover for different element production and high concrete compaction ensuring the production of high quality elements.

Ansa Prefabricados and its present production

Ansa Prefabricados' production line consists of 9 concrete production beds 120 meters long. It is possible to change these beds to steel beds in order to produce concrete elements such as hollow core slabs, Predal panels etc.

The principle machine from Nordimpianti is the Slipformer which can produce, at the same time on one bed, 10 lines of T beams, 120 mm wide, 90÷150 mm high. An advantage of T beam manufacture using Nordimpianti's Slipformer technology is the ability to achieve high production levels. T beams are easily installed at the construction site.

Floors are usually made of pre-stressed T beams with clay in-fills, which make the floor lighter, (Ansa Prefabricados also supplies these in-fills). These in-fills, together with in-situ concrete, form the ribs and floor slab to support a wide range of loads. T beams



Nordimpianti also delivered the cutting saw that can cut up to 250 mm high.



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The daily production of the plant is approx 3600 meters of prestressed T beams



High concrete compaction ensures the production of high quality elements.

are easily installed at the construction site. Nordimpianti also supplied all the ancillary equipment such as the steel wire stressing equipment, the tensioning and detensioning reaction beams 200 T, the cutting Saw (which can cut up to 250 mm high) and the lifting equipment with clamps. The daily production of the plant is approx 3600 meters of prestressed T beams with 4 workers.

This production rate and the ability to advise and help its customers about the best and fastest application of the concrete elements in the building industry means that Ansa Prefabricados has everything in place to become the market leader of this sector.

Future prospects

Consolidating the experience of the new T beam production line the next objective is to see the company increase its production range. A feasibility study has already been done in close collaboration with Nordimpianti which will allow Ansa Prefabricados to increase its presence in the Industrial Buildings Sector.

Among the new elements being proposed are hollow core slabs, beams and Predal panels which will be produced next to the already well known pre-stressed T beams, used in the construction business. Hollow Core panels are probably the most popular and well known structural unit in the world due to its many advantages: It has an excellent bottomside finish, large production capacity, it is self-supporting for all loads and spans and has a wide range of applications in the construction industry. This product range expansion will be a very efficient investment for Ansa Prefabricados

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who will use the same Universal Slipformer machine, only changing the forming inserts, to produce different concrete products and to increase their product range. From Nordimpianti's point of view, this plant is yet another example of demonstrating the ability of the company to make relationships at an international level. Nordimpianti has supplied different plants in the Central and South America such as in Costa Rica, Brazil, Venezuela and Argentina.

Nordimpianti has the cultural and linguistic experience to invest in these markets and to increase the range of products available. This cultural and linguistic experience derives from an already strong relationship with businesses in Spain. Besides the Central and South American markets Nordimpianti exports its technology to more than 40 countries all around the world. A success that has been built up by the company's management based on customer understanding and collaborative relationships formed over many years.



Among the new elements being proposed are hollow core slabs

FURTHER INFORMATION



nordimpianti

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