



Company

Concrete ideas cast
into profit



NORDIMPIANTI

WHO WE ARE



NORDIMPIANTI was founded in 1974 as a small family business by Nunzio Gagliardi. He responded to a growing market demand for plant and machinery for the production of prestressed concrete elements in Italy.

He was soon using his engineering expertise to improve upon existing designs and very quickly the enterprise turned into a manufacturing business with its base in central Italy, not far from Rome.

Since then the company has grown to become an international force.



Today NORDIMPIANTI is one of the world's leading manufacturers of machines and equipment for the production of prestressed concrete elements primarily used in the construction industry. The elements are used in flooring systems or as wall panels in a vast range of residential, civil, industrial and infrastructure construction applications.

NORDIMPIANTI designs and manufactures its products in-house and under one roof using a team of professionals, all experts and experienced in their fields. With its Extruder, Slipformer and Wet Casting technologies, it has a strong product portfolio offering all the ancillary machines required to make producing elements as efficient and as cost effective as possible.

It combines this with a complete consultancy service, dealing with the smallest technical question right up to the design of complete factories, to help expand and refurbish existing facilities or to advise, support and supply green field start up investments.

Nordimpianti has delivered more than 200 hundred plants and machines capable of producing a large range of prestressed concrete elements. It has done this by adhering to its core values and remains a family business with Mr Nunzio Gagliardi still the President of the company to this day.

Nordimpianti has a commitment to quality and service and we believe we make the best equipment in the world.

nordimpianti



Kg. 10000



Nordimpianti

Technical Expertise

NORDIMPIANTI HISTORY



Since its foundation in the 70's Nordimpianti has been driven by the desire to build and supply machinery and equipment with the highest quality and always using the latest technology available.

Nordimpianti has a wealth of experience gained from working all over the world and this makes us a reliable partner to supply efficient production solutions.

1974

The company was founded by Nunzio Gagliardi as a manufacturer of machines to produce prestressed concrete elements.



1987

Nordimpianti becomes the first manufacturer to develop a Slipformer machine capable of producing 700 mm high hollow core slabs.



1992

Nordimpianti develops the first Slipformer machine capable of producing a hollow core slab as a wall panel with a coloured aggregate finish.

1995

The first carousel plant for the production of prestressed inverted T-Beams was commissioned. The plant is capable of producing up to 27 000 m a day.



1996

NORDIMPIANTI launches its first Extruder machine, the EU2000I, for the production of hollow core slabs with heights up to 500 mm.



2000

NORDIMPIANTI adds to the capabilities of the Slipformer by developing a machine able to produce hollow core slabs 1 m high and up to 25 m long.

2004

The Extruder technology is enhanced to produce hollow core slabs with widths of 2.4 m (or 2 elements each 1.2 m wide) up to 500 mm high.

2005

A second carousel plant is delivered to a UK hollow core slab producer. The plant can produce up to 3600 m² of floor slabs a day.

2008

NORDIMPIANTI takes advantage of a new opportunity by manufacturing the first Extruder for the Russian market capable of producing hollow core slabs of 1500 mm wide. The new plant operates in Tyumen City.

2009

There was a further enhancement to the Extruder in 2009 with the manufacture of a machine for the production of hollow core slabs for the Belgium market. The machine can produce 2 hollow core slabs 600 mm wide at the same time.

2010

The new EVO Extruder series is unveiled during the BAUMA Exhibition in Munich, Germany.

2012

The Extruder range is expanded once again, this time to meet the needs of the Brazilian market to be able to produce Hollow Core slabs in widths of 1250 mm. The new model is designated e125 and joins the existing range of EVO e60, e120, e150 and e240 machines.

2013

NORDIMPIANTI updates its Wet Casting WF series machine for the production of prestressed concrete elements.



2016

The New EVO 2 Extruder is launched during the Bauma Exhibition in Munich.



2017

Nordimpianti brings to the market the new NANO Extruder machine for the production of non-loading partition wall panels. This machine is able to produce 2 wall panels 600 mm wide simultaneously and in heights from 80 mm to 120 mm high.



10 GREAT REASONS TO CHOOSE NORDIMPIANTI



- 1.** Our company is a family run business which means we can focus all our attention on our clients' needs to achieve high levels of customer satisfaction.
- 2.** We have more than 40 years experience in supplying plants and machinery for the production of high quality prestressed concrete elements.
- 3.** All aspects of production, from initial design to after-sales service are done in-house.
- 4.** Our products are internationally proven in more than 40 countries, across the five continents.
- 5.** We can offer all types of casting systems available, Extruder, Slipformer and Wet Casting machines.
- 6.** Nordimpianti's casting machines can produce a wide range of prestressed concrete elements such as hollow core slabs for floors and walls, inverted T-beams, vineyard posts, lintels, half slabs, slabs with lattice ribs, inverted double T-beams and U-panels.
- 7.** We are able to supply standard or custom-made machines to meet our customer's specific needs.
- 8.** Since 1974, Nordimpianti has been the world's leading supplier of Slipformers for the production of hollow core slabs and Inverted Double T-beams up to 1 m high.
- 9.** Our machines are made in Italy and are manufactured under strict quality control.
- 10.** Our machines are highly engineered using the best materials and components to guarantee high reliability and the lower maintenance costs.

MISSION



Our aim is to provide our customers with the best quality products and services to help them reach their potential and be successful within their own marketplace. To achieve this we use a highly motivated professional team of people combined with high-end

technology equipment and machinery. We think it is important to forge strong and lasting relationships with our customers in order to understand their business and to be in a better position to respond to their needs.



Nordimpianti combines technical expertise and ingenuity with absolute customer focus to offer first class products and services that are second to none. NORDIMPIANTI gives you the benefit of almost 40 years of international experience and you can rely on its full package consultancy service. NORDIMPIANTI helps you put your concrete ideas into profitable practice.

Come and visit our company and see for yourself the quality of our products and services.

PRODUCTS



Prestressed concrete element production is made up of different intermediate phases, each one accomplished by a dedicated machine or piece of equipment.

For that reason, NORDIMPIANTI has developed a large range of machines and equipment able to work on every phase of production.

NORDIMPIANTI offers customised solutions for the easy and efficient manufacture of every type of concrete element.

ALL OUR PRODUCTS ARE CHARACTERISED BY

- **Build quality** Our machines are designed for long life using materials and components from leading manufacturers from all over the world

SEW
EURODRIVE

ABB

SIEMENS

italvibras
g.silangardi

HARDOX®
WEAR PLATE

SICK

CASAPPA
FLUID POWER DESIGN

- **Reliability** Our products have a proven international reputation. They are the preferred choice for many leading companies who need and expect the machines to work hard and with the minimum of downtime.

- **User friendly** Our machines are considered simple to use because they are designed and built by listening to the advice of those who use them every day ... our clients.

- **Quick and easy maintenance** it takes just a few simple steps because each operation has been studied and engineered thoroughly.

- **Safety** Our products meet the strictest standards for the safety of workers and of the workplace.

A wide range of machinery and equipment for the pro



Extruder EVO 2



Extruder e60evo



Extruder e240evo



Extruder Nano



Slipformer
for inverted T-beams



Wet Casting for
hollow core slabs



Wet Casting for
inverted T-beams



Multiangle saw



Lifting beam



Element transport system



Multifunction bed cleaner



Multiple wire stressing machine



duction of high quality prestressed concrete elements



Slipformer for hollow core slabs



Slipformer for foundation piles



Slipformer for inverted double T-slabs



Slipformer for inverted double T-beams



Cross cut saw



Fresh concrete saw



Grooves machine



Lifting machine



Plotter



Concrete aspirator



Casting beds

nordimpianti

THE BEST QUALITY CASTING

EXTRUDER EVO2

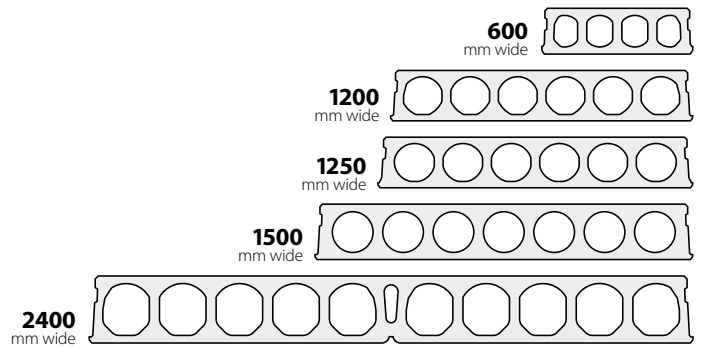


NORDIMPIANTI's new generation series of **EVO2** Extruder machines represents the state of the art in the production of high quality prestressed concrete hollow core slabs both for floors and walls.

Available in 5 versions, the machine is modular and flexible. The universal power unit together with the hopper can be easily mounted on different forming inserts to enable a slabs with different heights to be produced.

The EVO2 Extruders from NORDIMPIANTI are fully equipped with state of the art technical solutions to guarantee the production of products with the highest levels of quality and yet at the same time having the lowest production and maintenance costs.

Height mm	e60	e120	e125	e150	e240	
	600	1200	1250	1500	2x1200	2400
150	x	x	x			
180	x	x	x			
200	x	x	x		x	x
220		x	x	x	x	x
265		x	x		x	x
320		x	x		x	x
360		x	x		x	x
400		x	x		x	x
450		x	x		x	x
500		x	x		x	x



SLIPFORMER SF



NORDIMPIANTI's **SF** Slipformer machines have been designed for the production of a wide range of prestressed concrete products.

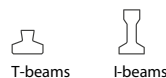
The machine offers a cost-effective solution for companies that are looking for a flexible approach to produce a variety of prestressed elements such as inverted T-beams, lintels, vineyard posts, hollow core slabs, half slabs and other special profile shapes.

The universal power unit together with the hopper can be easily mounted on different forming inserts to enable different concrete elements to be produced.

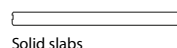
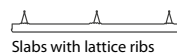
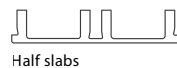
VINEYARD POSTS AND LINTELS



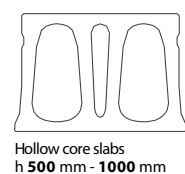
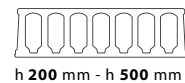
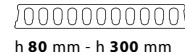
INVERTED T- AND I-BEAMS



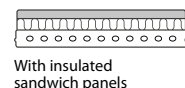
PRESTRESSED SLABS



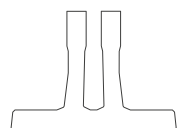
HOLLOW CORE SLABS FOR FLOORS



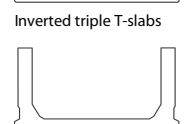
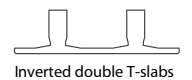
HOLLOW CORE WALL PANELS



INVERTED DOUBLE T-BEAMS AND SLABS



Inverted double T-beams
h 500 mm - h 1000 mm



U-panels
up to h 1000 mm

GRANDSTAND PANELS

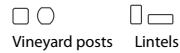


For stadium seating

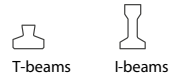
WET CASTING WF



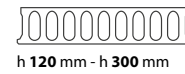
VINEYARD POSTS AND LINTELS



INVERTED T- AND I-BEAMS



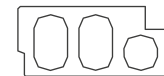
HOLLOW CORE SLABS FOR FLOORS



HOLLOW CORE WALL PANELS

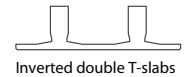


GRANDSTAND PANELS

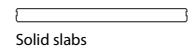
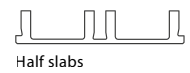


For stadium seating

INVERTED DOUBLE T-BEAMS AND SLABS



PRESTRESSED SLABS



NORDIMPIANTI's **WF** Wet Casting machines have been designed for the production of prestressed concrete products with special attributes such as exposed wire, corrugate upper surfaces or elements with a high surface finish.

The machine is universal and by changing only the finishing mould it is possible to produce a variety of prestressed elements such as inverted T-beams, lintels, vineyard posts, hollow core slabs, half slabs, solid slabs and other special profile shapes.

The operation to change the finishing mould is quick and simple and does not require the use of specialist personnel.

EXTRUDER NANO



NON-LOAD BEARING PARTITION WALLS 2x600 mm wide



FLOORS 2x600 mm wide



The **NANO** version of the Extruder Machines has been designed for the production of non-load bearing partition walls and thin hollow core slabs 2 x 600mm wide.

The NANO extruder from NORDIMPIANTI offers a cost effective solution for companies who are looking for a flexible approach to produce non-load bearing partition walls on the same casting beds used for the production of standard hollow core floor slabs and being able to use the same ancillary equipment.

The machine is modular and an element changeover kit makes it easy to configure the machine to produce an element with a different height.

CONCRETE ELEMENTS



NORDIMPIANTI's casting machines can produce a large range of prestressed concrete products such as hollow core slabs for flooring and walls, inverted T- and I-beams, vineyard posts and lintels, prestressed slabs, U-slabs, inverted double T-slabs etc.

Prestressed products made by NORDIMPIANTI's Extruder, Slipformer and Wet Casting machines offer many advantages that make them a success all over the world.

- The possibility to use them in many areas of construction such as residential, commercial, industrial, infrastructure and agricultural sectors;
- Large production volumes with uniform cross sections even with different reinforcement cable configurations;
- The ability to use prestressing cables in single wire, strands or 2/3 wires in high tensile steel;
- Assured quality by using equipment specifically designed to produce high quality concrete elements;
- Low unit labour costs due to the efficient use of engineering design to automate as much of the machine as possible;
- There is no need to use expensive formworks;
- Production flexibility. The ability to change the height of the concrete elements within certain limits by changing only some parts on the forming insert;
- Excellent surface finish;
- Product quality assured by consistent homogeneous concrete;
- The produced elements have high load resistances thanks to a low water/cement ratio of concrete from 0.32 to 0.38. Higher water/cement ratios cannot be employed for the production of desired cross sections without the use of expensive formworks;
- Elements produced by NORDIMPIANTI's casting machines have a high resistance to carbonation due to the low cement/water ratio and the high compaction level giving the finished slab high impermeability combined with high mechanical resistance.

Despite the low water/cement ratios making the concrete very hard to work NORDIMPIANTI's machines have no difficulty in consistently forming complex element profiles, ready to be lifted from the production bed within 6-8 hours after casting.

The Extruder, Slipformer and Wet Casting machines enable the user to cast elements with or without prestressing cables but obviously with prestressing comes the cost and ease of use advantages demanded by the civil and industrial construction sector.

Prestressing gives high quality elements with smaller cross sections with a more efficient use of materials.

Smaller cross sections mean lighter slabs reducing the cost of transport and allowing easy handling both on-site and in the production plant.

The best produced elements available



Vineyard posts



Lintels



Inverted T-beams



Inverted I-beams



Slabs with lattice



Non-load bearing partition walls



Hollow core slabs 600 mm wide



Hollow core slabs 1200 mm wide



Hollow core slabs 1500 mm wide



Hollow core slabs 2400 mm wide

CROSS SECTIONS AND DIMENSIONS OF THE PRESTRESSED CONCRETE ELEMENTS CAN BE ADAPTED TO CUSTOMER REQUIREMENTS.

Element quality assured, with NORDIMPIANTI's casting machines



Extruder **EVO2** Machines

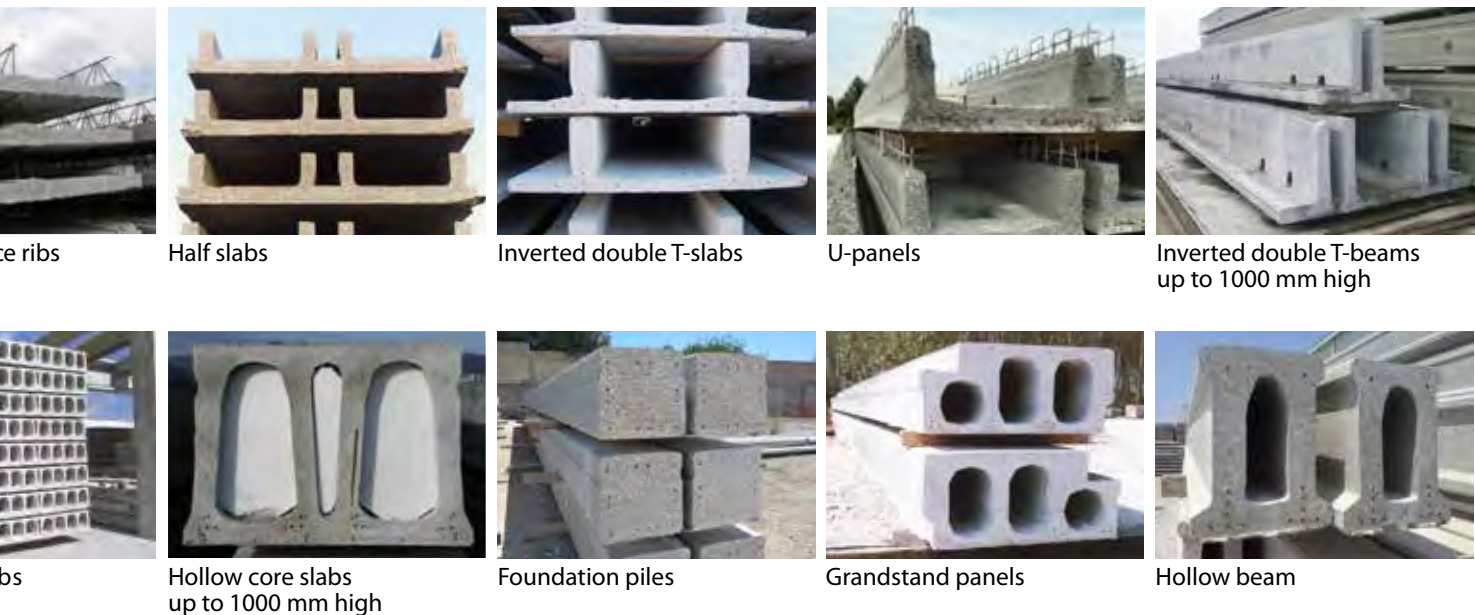
Slipformer **SF** Machines

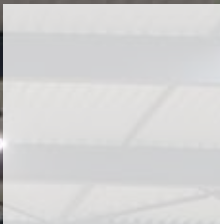


Wet Casting **WF** Machines



Extruder **NANO** Machines





Plant Layout

Turnkey Solutions

PLANNED EXCELLENCE



Tailored production systems for the manufacture of a wide range of prestressed concrete elements.

Our long experience with every type of element production in use in over 40 countries gives us the capability to design prestressed factories and plant down to the smallest detail supplying the optimum layout to meet all our customers' requirements.

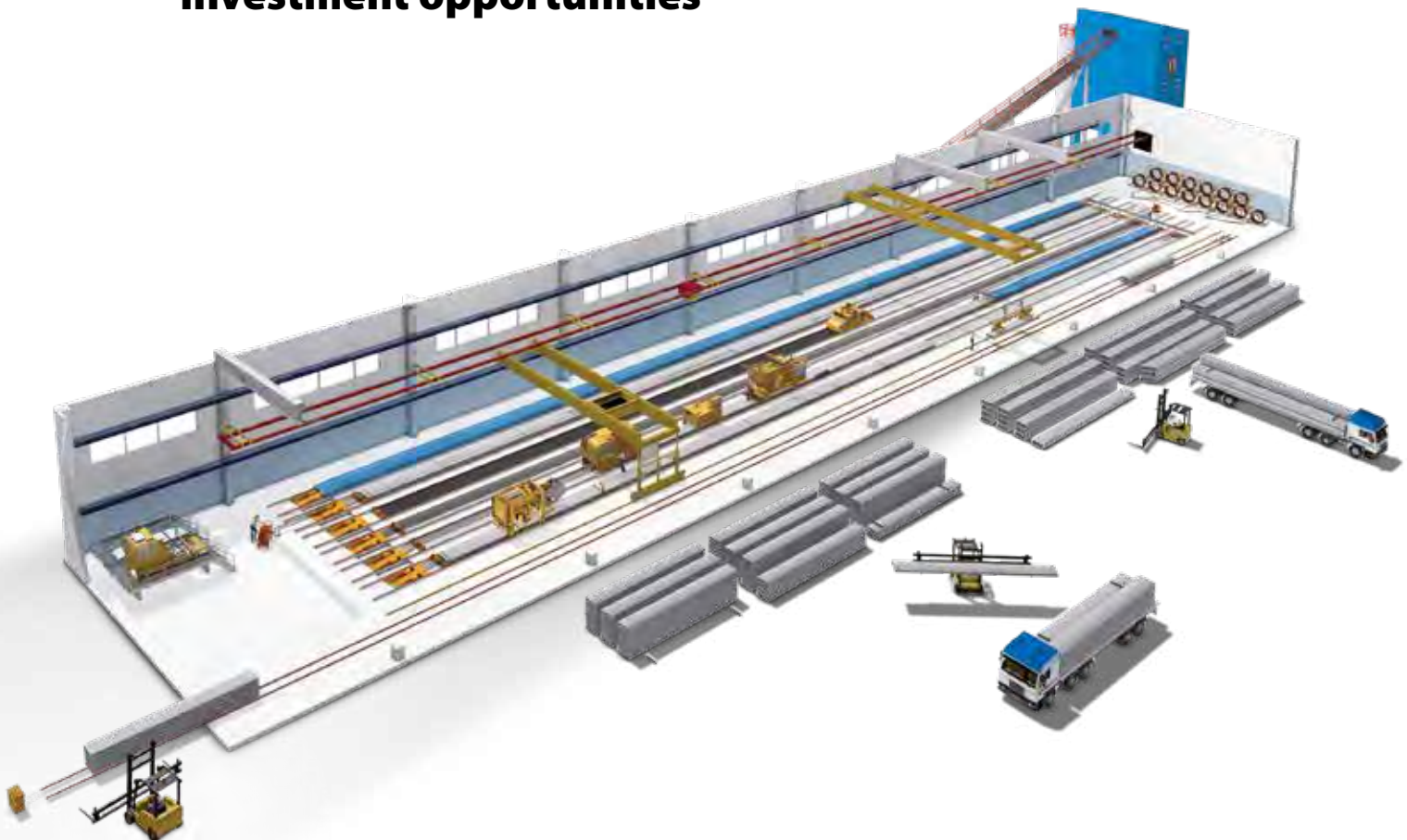
Our plant, large or small, is designed to make our customer's investment as profitable as possible.

We are able to supply standard plant with moveable production machines right up to highly automated carousel plant for very high production output.

In addition we offer element design, production management software, consultancy services and everything you may need to set up the best and most efficient prestressed and precast factory possible.



Nordimpianti help your ideas become investment opportunities



- Project survey and data acquisition
- Factory design and layout drawings
- Support during site & building construction
- Plant installation
- Machinery and equipment commissioning
- Personnel Training
- Technical support throughout the project
- Extensive after sales service
- Spare parts support

CUSTOMER SERVICE

PUTTING YOU FIRST



Extensive after sales service and spare parts support

One of the core values of NORDIMPIANTI is its commitment to customer service. Our multi-lingual staff are always ready to support you in whatever way they can.

Sales, after-sales, spares, trouble-shooting, training and technical back-up are all close at hand for you to rely on.

Our warehouse carries a comprehensive stock of spare parts ready for delivery.

We use only couriers with world class reputations to ensure that your components are despatched as fast as possible to wherever you are in the world.



nordimpianti

NORDIMPIANTI WORLD-WIDE

A GLOBAL PRESENCE



With over 40 years experience in the prestressed concrete industry NORDIMPIANTI's machines are manufacturing concrete elements in over 50 countries. Its dedicated network of sales agents means our customers receive the support they need at a local level.

Currently there are more than 200 plants and machines operating throughout the world producing a large range of prestressed concrete elements. Our international reputation makes us a reference point for companies throughout the globe.





Company



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