



ABOUT US

Nordimpianti

MACHINES AND EQUIPMENT FOR THE PRODUCTION OF PRESTRESSED CONCRETE ELEMENTS

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NORDIMPIANTI'S HEADQUARTERS, CHIETI - ITALY





WHO WE ARE Nordimpianti

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.



Nunzio Gagliardi
President

Gian Piero Gagliardi
CEO

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, Nano 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 questions 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 HELPS YOUR IDEAS BECOME INVESTMENT OPPORTUNITIES

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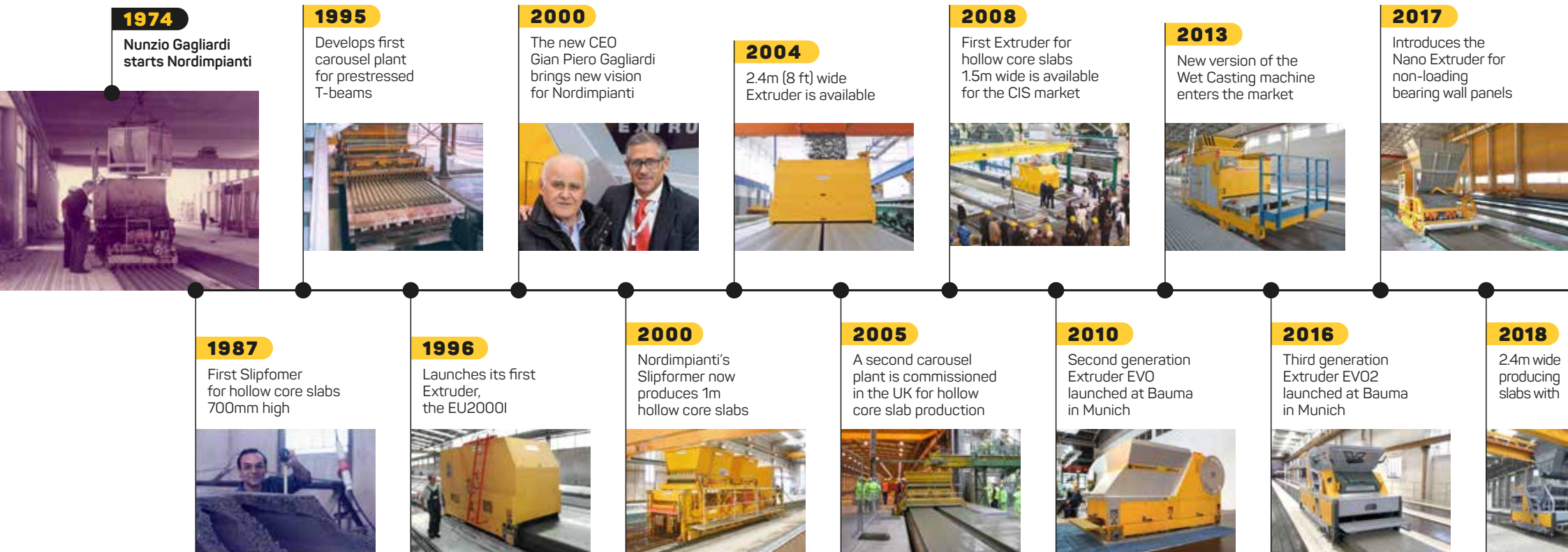


NORDIMPIANTI History

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.

A STORY DRIVEN BY CONCRETE EXPERIENCE

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.



SKILL AND KNOWLEDGE, PROVEN WORLDWIDE, ACQUIRED THROUGH FIFTY YEARS OF HISTORY



NORDIMPIANTI Expansion

Nordimpianti has deepened its commitment to Far East Asia with the opening of its subsidiary **NORDIMPIANTI KOREA** in South Korea where NORDIMPIANTI has a strong presence and a leading position in the market.

2019

Presentation of unique precast floor elements for road and infrastructure applications



2022

Nordimpianti starts Nordimpianti Korea

한국
NORDIMPIANTI KOREA

**NORDIMPIANTI
ITALY**
Headquarters

**NORDIMPIANTI
KOREA**

Sales, After Sales,
Spare Parts and
Consultancy Services

2022

EV02 Extruder
hollow core
top rebar



Automatic Concrete
Aspirator launched at
Bauma in Munich



MACHINES AND EQUIPMENT FOR THE PRODUCTION OF PRESTRESSED CONCRETE ELEMENTS

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NORDIMPIANTI

Casting machines

For the production of prestressed concrete elements, Nordimpianti has in its range all the different types of casting machines that may be required;

Extruder EV02, Extruder Nano, Slipformer and Wet Casting

In this way NORDIMPIANTI is able to offer the best solution to its customers according to the elements required to be produced.

The casting machines are all designed and manufactured in-house to the highest quality standards.

NORDIMPIANTI casting machines are noted for their:

- ✓ Proven reliability
- ✓ Excellent build quality
- ✓ Low maintenance costs
- ✓ Wide range of production



THE BEST QUALITY CASTING MACHINES AVAILABLE

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extruder^{ev02}

THE BEST CHOICE FOR THE PRODUCTION OF HIGH QUALITY HOLLOW CORE SLABS



- ✓ High casting speed up to 2.8m/min
- ✓ Minimum cost of ownership
- ✓ Automatic operation
- ✓ Modular and interchangeable
- ✓ Excellent end product quality
- ✓ Low maintenance requirements
- ✓ Minimum downtime when changing to a different product

NORDIMPIANTI's **EV02 Extruder machines** have been designed for the production of a wide range of prestressed concrete hollow core slabs for both floors and walls.

Standard heights range from **120mm** to **525mm** in widths of **600mm, 1200mm, 1500mm, 2x1200mm** and **2400mm**.

slipformers^{sf}

A FLEXIBLE CASTING CHOICE ABLE TO PRODUCE A WIDE RANGE OF DIVERSE PRODUCTS INCLUDING SOME LARGE ELEMENTS WITH NOTABLE DIMENSIONS



- ✓ Large range of producible elements
- ✓ High build quality and excellent reliability
- ✓ Minimum cost of ownership
- ✓ Modular and interchangeable
- ✓ Low maintenance requirements

NORDIMPIANTI's **SF Slipformer machines** have been designed for the production of a wide range of prestressed concrete elements such as inverted T beams, posts, lintels, half slabs, solid slabs, hollow core slabs and other special shapes.

Standard heights range from **60mm** to **1000mm** while the widths can be customized to each customer's requirements.

extruder^{nano}

THE RIGHT SOLUTION FOR THE PRODUCTION OF NON-LOAD BEARING PARTITION WALLS



- ✓ Uses the same casting beds as for standard hollow core floor slabs
- ✓ Excellent surface quality of the wall panels
- ✓ Modular and interchangeable
- ✓ Low maintenance requirements
- ✓ Minimum downtime when changing to a different product

NORDIMPIANTI's **Extruder Nano machine** has been designed for the production of thin wall panels and can be used with the same ancillary equipment normally used for the production of hollow core floor slabs.

Standard heights range from **70mm** to **120mm** in a width of **2x600mm**.

wetcasting^{wf}

A UNIQUE CASTING MACHINE FOR THE PRODUCTION OF CONCRETE ELEMENTS WITH SPECIAL ATTRIBUTES



- ✓ Easy production of elements with exposed wires and corrugated upper surfaces
- ✓ Large range of producible elements
- ✓ High build quality and excellent reliability
- ✓ Minimum cost of ownership
- ✓ Modular and interchangeable
- ✓ Low maintenance requirements

NORDIMPIANTI's **WF Wet Casting machine** has been designed for the production of a wide range of prestressed concrete elements with special attributes such as exposed wire and a corrugated upper surface.

Standard heights range from **60mm** to **500mm** while the widths can be customized to each customer's requirements.



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Machinery and equipment

Prestressed concrete element production is made up of different intermediate phases, each one accomplished by a dedicated machine or piece of equipment specifically designed for that task, NORDIMPIANTI has developed a large range of machines and equipment able to work in every phase of the production and to suit the individual elements being produced.

A WIDE RANGE OF MACHINERY AND EQUIPMENT FOR THE PRODUCTION OF HIGH QUALITY PRESTRESSED CONCRETE ELEMENTS



Element casting, Extrud



Element cutting



Lifting of the element from the beds



Transportation of the elements for stocking



Cleaning, oiling and wire



Concrete transport and distribution



Making cut outs and notches



Element marking



Surface keying



er EVO



Element casting, Extruder NANO



Element casting, Slipformer SF



Element casting, Wet Casting WF



laying



Wire storing



Stressing and detensioning of the steel wires



Bed covering and curing



Casting beds



Ancillary equipment



Software



CASTING MACHINES

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.

CONCRETE ELEMENTS PRODUCED BY
THE BEST QUALITY CASTING MACHINES AVAILABLE

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

e2 sf wf



Hollow core slabs for floors and walls

sf wf



Inverted T and I beams

sf wf



Vineyard posts

sf wf



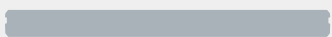
Lintels

sf wf



Foundation piles

sf wf



Solid slabs

sf wf



Filigree slabs

sf wf



Half slabs

sf wf



Inverted double T slabs

sf wf



Inverted triple T slabs

sf



Deep hollow core slabs up to 1m

sf



Inverted double T beams

sf wf



U Panels

en



Non-load bearing partition walls

wf



Single hole beams

e2 extruder e2



sf slipformers sf



wf wetcasting wf



en extruder nano



MACHINES AND EQUIPMENT FOR THE PRODUCTION
OF PRESTRESSED
CONCRETE ELEMENTS

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HIGH AUTOMATION TECHNOLOGY FOR HOLLOW CORE SLAB PRODUCTION



ELEMENT CASTING
EV02 Extruder



ELEMENT CUTTING
Automatic multi-angle Saw
with Counterweight Trolley



**CLEANING-OILING-WIRE
PULLING**
Automatic multi-function
vacuum Bed Cleaner



**ELEMENT
MARKING**
Automatic Plotter
with drilling unit





NORDIMPIANTI MACHINES

Automation technology

In addition to standard machines, NORDIMPIANTI is able to offer a wide choice of fully automatic machines and equipment.

- ✓ Reduce production costs
- ✓ Reduce the number staff employed
- ✓ Reduce human error

Using advanced automation and robotics, NORDIMPIANTI's products represent the right choice for customers looking to:

- ✓ Improve the safety of production facilities
- ✓ Improve product quality consistency
- ✓ Increase the productivity of production plants



WET WORKING

Automatic Concrete Aspirator

ELEMENT COVERING

Automatic Bed Covering Trolley

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THE BEST AUTOMATION TECHNOLOGY
APPLIED TO NORDIMPIANTI MACHINES







TURNKEY SOLUTIONS

Production plants

Our long experience with every type of element production in use in over 50 countries gives us the capability to design prestressed factories and plants down to the smallest detail supplying the optimum layout to meet all our customer's requirements.

Our plant, large or small, is designed to make your investment as profitable as possible.



TAILORED PRODUCTION SYSTEMS FOR THE MANUFACTURE OF A WIDE RANGE OF PRESTRESSED CONCRETE ELEMENTS

We are able to supply standard plants 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.



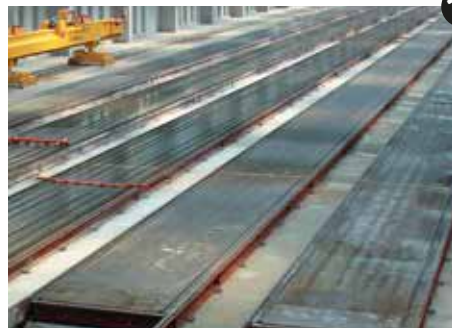
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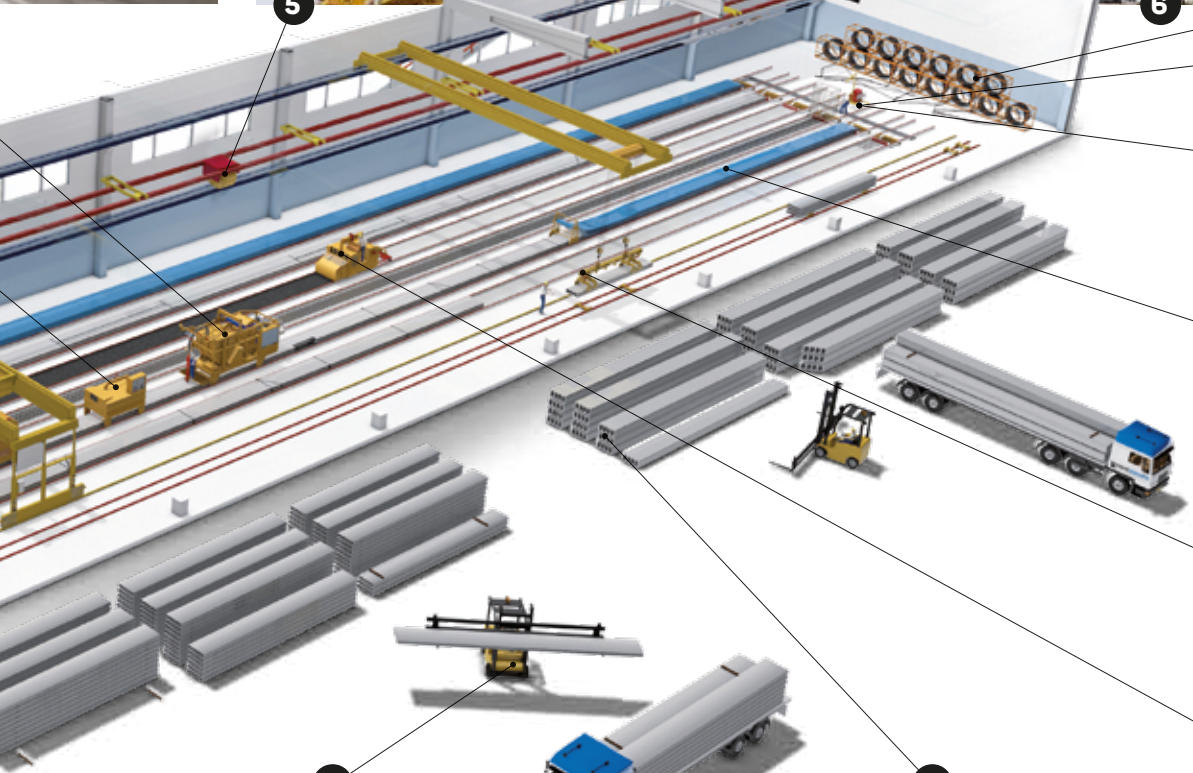
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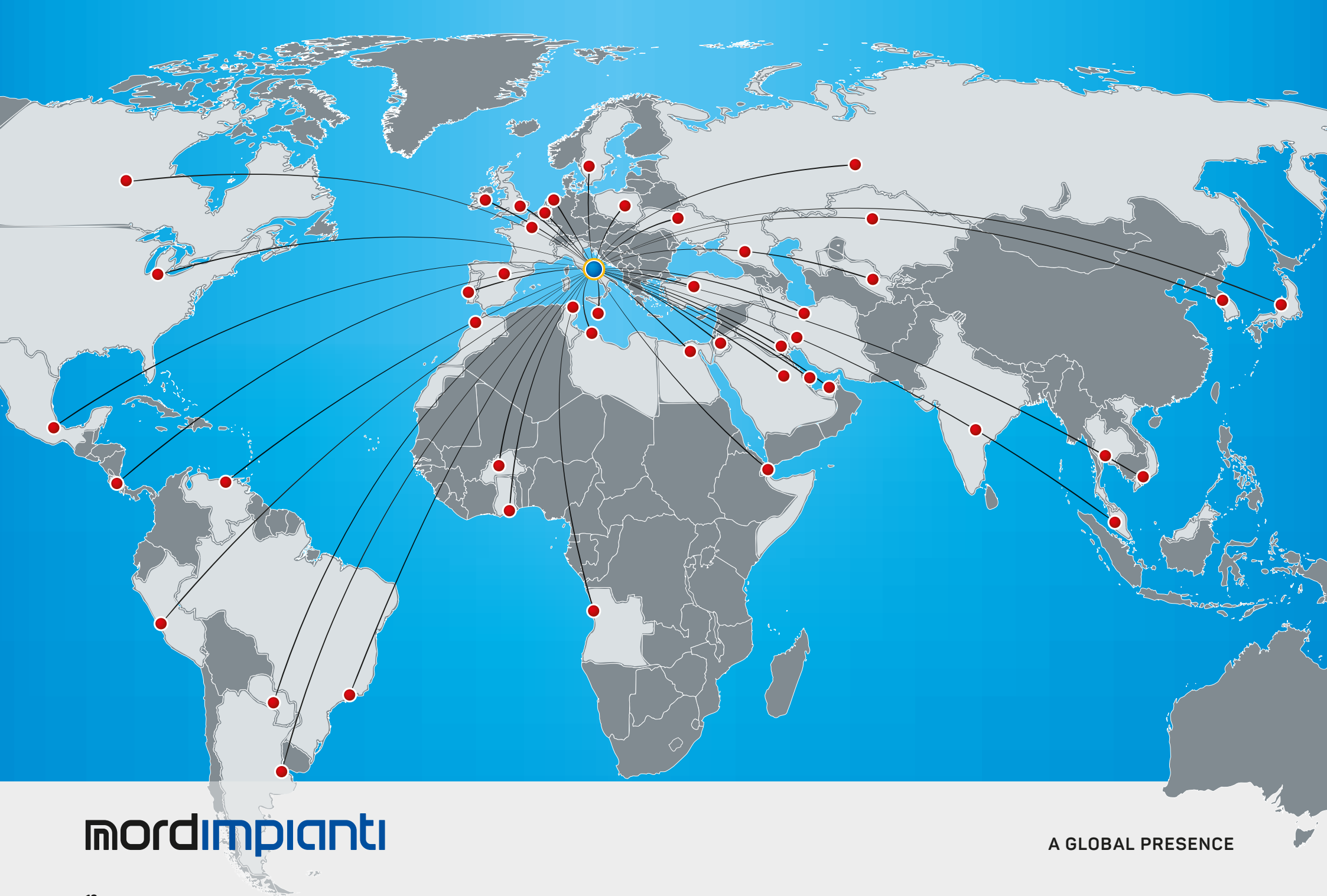


TURNKEY SOLUTIONS Plant layout

- 1 Casting machines
- 2 Concrete distributor
- 3 Plotter
- 4 Concrete Aspirator
- 5 Flying bucket
- 6 Batching plant
- 7 Stackable strand decoiler
- 8 Wire stressing machine
- 9 Mutistressing machine
- 10 Bed Covering Trolley
- 11 Lifting equipment
- 12 Multifunction Bed Cleaner
- 13 Stockyard
- 14 Truck loading
- 15 Reaction beams
- 16 Transport wagons
- 17 Pulling device for element transport wagons
- 18 Casting Beds
- 19 Service platform
- 20 Cutting Saw









NORDIMPIANTI Worldwide

With over **50 years of experience** in the prestressed concrete industry NORDIMPIANTI's machines are manufacturing concrete elements in over 50 countries.

Its dedicated network of sales teams means our customers receive the support they need at a local level.

Currently there are more than **300 plants** and over a **1000 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.

COME AND VISIT OUR COMPANY
TO PERSONALLY EXPERIENCE THE QUALITY
OF OUR PRODUCTS AND SERVICES

INTERNATIONALLY PROVEN





WORLDWIDE References

OVER 50 COUNTRIES, MORE THAN 300 PLANTS, OVER 1000 MACHINES OPERATING THROUGHOUT THE WORLD, PRODUCING A LARGE RANGE OF PRESTRESSED CONCRETE ELEMENTS



South Korea



Hungary



Singapore



Saudi Arabia



United Kingdom



Ukraine



Italy



Denmark



Poland



Belgium



Burkina Faso



India



Mexico



NORDIMPIANTI

After sales and customer service

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.

PUTTING YOU FIRST

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

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



Spare parts orders are efficiently managed by a software that monitors the complete order process in real time.



All spare parts orders are thoroughly packed to ensure that they arrive at your premises in the same excellent condition as they left our warehouse.



EXTENSIVE AFTER SALES SERVICE AND SPARE PARTS SUPPORT

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Genuine Spare Parts



SPARE PARTS WAREHOUSE

ABOUT US

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