

Turnkey Solutions

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

TURNKEY SOLUTIONS

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



NORDIMPIANTI delivers total solutions for prestressed concrete element start-ups

- 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

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.

Our in-depth knowledge allows us to supply the best detailed design layouts for all types of prestressed concrete elements taking into account that different hollow core slabs, T-beams and vineyard posts each have their own production characteristics.

Our long experience with all types of various element production in use in over 40 countries gives us the capability to design the optimum layout to meet customers' needs across the world.

Our plant, small or large, is designed to make our customer's investment as profitable as possible. Nordimpianti helps your ideas become investment opportunities.

We are able to supply everything from standard plant which includes moveable production machines right up to highly automated carousel plant for high production outputs.



Standard plant

The standard production plant has either a concrete or a steel casting bed according to the product to be manufactured.

Beds with lengths from 80 m to 150 m are fixed while the production machines move over them.

The number of casting beds can be decided for the production demand of today but planned to be easily increased to take into account any future expansion according to the space available.

NORDIMPIANTI has designed and supplied more than 200 hundred plants all over the world.



Carousel plants

Carousel plants are characterized by having fixed casting and cutting machines while the production beds move underneath them on a carousel.

The factory is divided into two areas, one for the production and the other for the product curing. The casting and cutting machines are positioned in the central area. The double casting beds, each one 150 m long are self reacting without the need for abutments.


With this particular plant it is possible to produce up to 3600 m² of hollow core slabs or 27000 m of T-beams a day with minimal personnel.



Cutting station

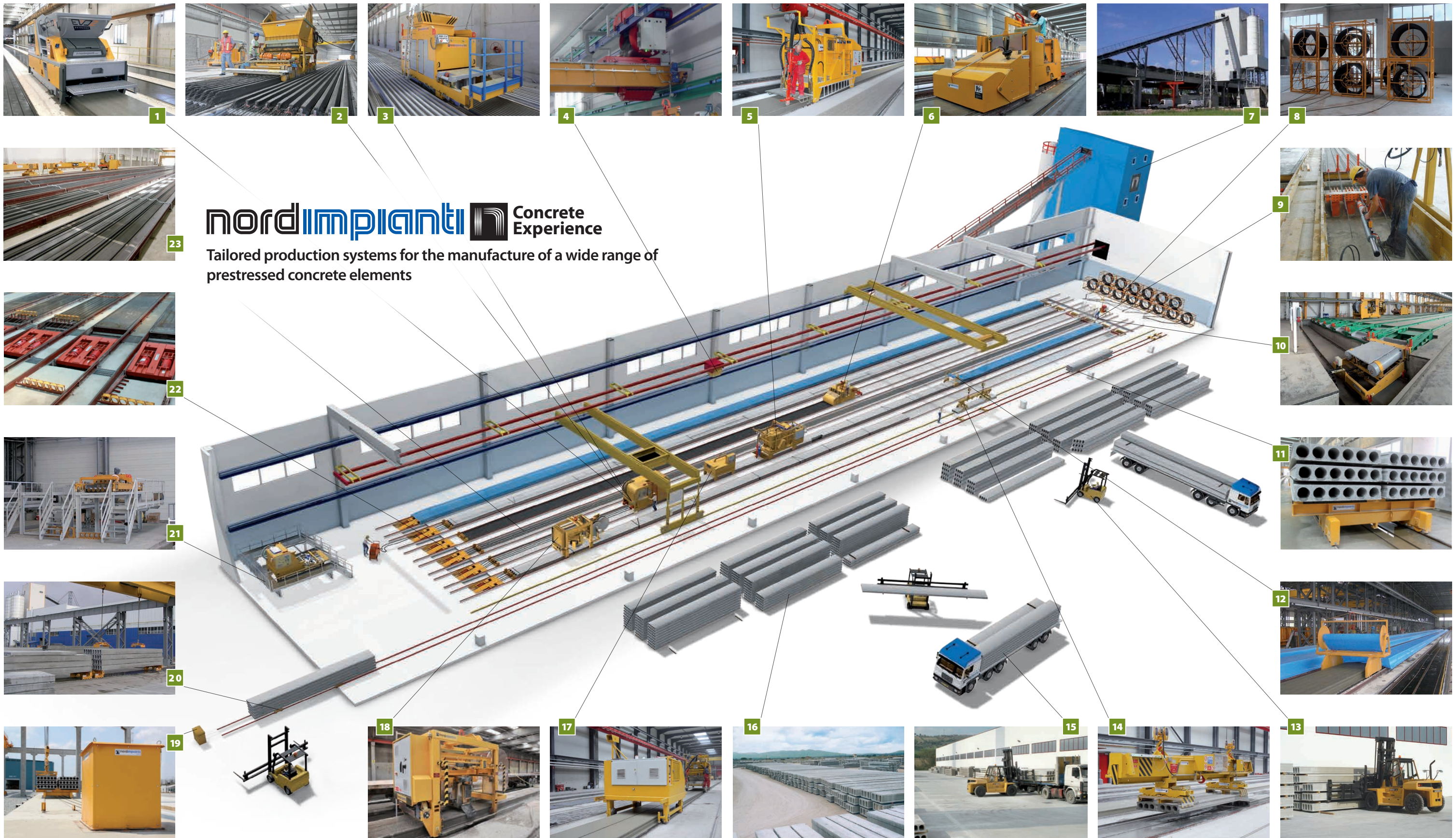
Designed to cut large elements up to 1 m high this station has two cutting heads, one that cuts from the bottom and one that cuts from the top each equipped with 1100 mm blade.

In this way it is possible to cut high elements with standard blades.

A high-angle, wide shot of a large industrial facility, likely a steel mill or manufacturing plant. The floor is covered with long, parallel metal tracks or conveyor belts. Several yellow overhead cranes are visible, spanning the width of the hall. In the foreground, a worker in a bright red jumpsuit stands next to a yellow machine or cart. The background shows more industrial equipment and a large open bay door. The lighting is industrial, with bright overhead lights.

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Your business, our mission



nordimpianti  **Concrete Experience**

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KEY

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|---|--|--|--|
| 1. ELEMENT CASTING Extruder | 7. CONCRETE PREPARATION
Tower or horizontal batching plant | 12. ELEMENT COVERING Coiler holding | 19. ELEMENT TRANSPORT
Pulling device for element transport wagons |
| 2. ELEMENT CASTING Slipformer | 8. STEEL WIRE STORAGE Stackable wire decoilers | 13. STOCKYARD Forklift | 20. ELEMENT TRANSPORT Transport wagons |
| 3. WET CASTING MACHINES | 9. STEEL WIRE STRESSING
Single wire stressing Tensioning side | 14. ELEMENT LIFTING Lifting beam | 21. ANCILLARY EQUIPMENT Service platform |
| 4. CONCRETE TRANSPORT Fly bucket | 10. STEEL WIRE STRESSING Multistressing | 15. STOCKYARD Truck loading | 22. STEEL WIRE DETENSIONING
Reaction beams Detensioning side |
| 5. WET WORKING Concrete aspirator | 11. ELEMENT TRANSPORT Transport wagons | 16. STOCKYARD | 23. CASTING BEDS Steel beds |
| 6. BED CLEANING, OILING AND STEEL LAYING
Multifunction bed cleaner | | 17. ELEMENT MARKING Plotter | |
| | | 18. ELEMENT CUTTING Multiangle cutting saw | |



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