

CPM

SPECIAL BEARINGS





the company

CPM was established in 1967 as a small mechanical workshop for the production of rolling bearings, with the objective of working to high craftsmanship standards. Today, the company is a leader in the production of special bearings and firmly believes in the quality and promotion of Made in Italy products.

Thanks to this underlying philosophy, CPM has become a reference partner in the design and implementation of customised solutions for some of the leading Italian and foreign industrial groups.

We specialise in the design and medium and high-series production of ball bearings, cylinder roller bearings, tapered roller bearings, and needle roller bearings, with sizes ranging between 10 mm bore and 800 mm outer diameter.







CPM is constantly evolving, in terms of turnover, human resources, and productivity. In the brand-new, technologically advanced plant of Nova Milanese over 2 million items targeted at both the Italian and international markets are manufactured every year.

The main types of bearings manufactured by the Company are the following:

Single row and double row radial ball bearings

Angular contact ball bearings, with clearance or preloaded

Four-point contact ball bearings

Slim series ball bearings

Self-aligning ball bearings

Cylindrical roller bearings, full or caged

Single or double row tapered roller bearings

Needle roller bearings, full or caged

Crossed roller bearings

Self-aligning roller bearings

Ball and roller wheels

Precision rings



The Company's headquarters in Via Brodolini, which have been operating since 2007, were designed so as to improve and increase productivity by applying the most advanced production and management technologies, thanks to an ambitious investment plan. The management and production areas were enlarged and the utmost care was devoted to the overall facilities layout.



offices





All areas and departments were designed in such a way as to optimise and improve work conditions for all employees, with a view to the Company's constant growth and to the future positioning on new emerging markets, as well as to a further strengthening on the Italian and German ones. To support the Company's new strategy, specific techniques were adopted to reduce wastes and eliminate

any activities that do not generate value. The introduction of "lean production", the SMED analysis carried out in all departments and the implementation of KAIZEN activities have resulted in improved flexibility in the production of smaller batches, reduced risks of product obsolescence, and a shorter lead time, thus leading to increased customer satisfaction.





The design department, thanks to its highly-skilled personnel and excellent know-how, is now capable of developing a well structured, detailed design for the manufacturing of bearings having sizes and features that suit specific operating conditions.

The Company's long-standing experience provides a valuable contribution to all co-designed projects, where our designers further develop and perfect the Customer's original design, proposing innovative solutions to achieve maximum performance in terms of product life and optimised industrial processes.



applications



Our special rolling bearings can be used in a large number of industrial sectors and for a wide range of applications: from mechanical transmissions to the textile sector, from robotics to electro-mechanical equipment.



Textile machinery



Robotics



Agricultural machinery



Earthmovers



Marble-working machinery

Cardanic transmissions



Quality, flexibility and competitiveness have always been CPM's main strengths and allow the Company to cooperate with leading industrial groups.



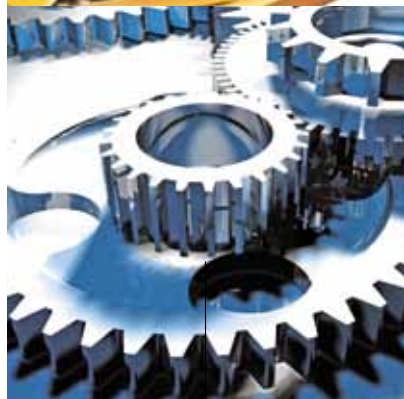
**Volumetric
fuel gauges**



**Wood working
machinery**



**Radioscopic
appliances**



**Material handling
machinery**



**Hydraulic motors
and pumps**

**Precision
rings**





production



CPM's primary objective is maximum product reliability. The concept of "lean production" and the great flexibility of CPM's manufacturing departments ensure a high level of product customisation.

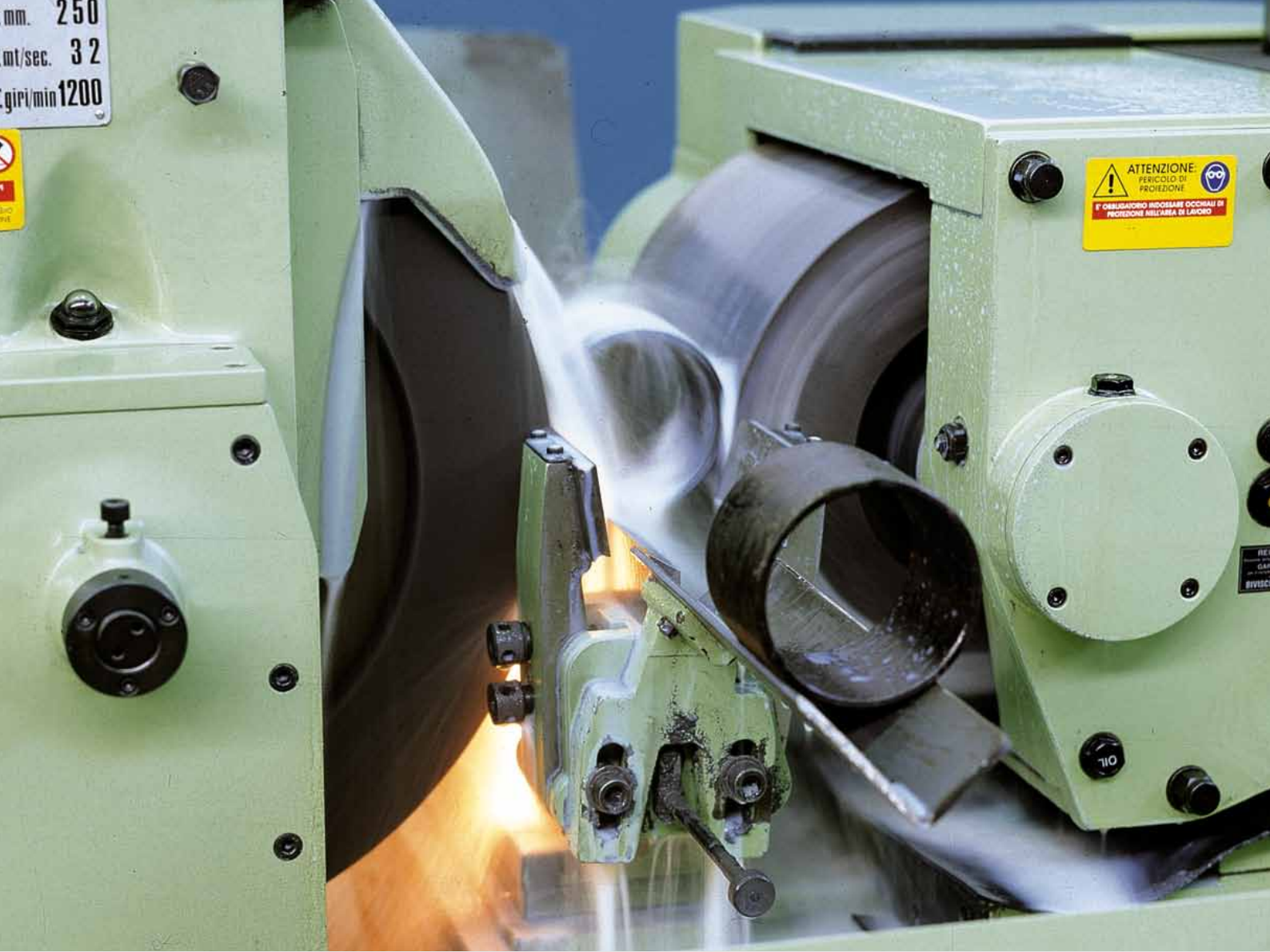
The search for and the constant achievement of world-class qualitative standards start from the selection and use of high purity, top-quality steel, as well as of carefully selected components.



The first working stage takes place in the turnery department, which is equipped with single and multiple spindle machines; the delicate, crucial stage of heat treatment comes next.

In this entirely renovated department, equipped with state-of-the-art technologies, semi-finished products are given the strength and mechanical properties required.





The product then goes through the highly-automated preparation grinding and plunge grinding section, for which significant investments have been made, whereby four additional last-generation grinding machines will be purchased by the end of 2011-beginning of 2012.

Great care is devoted to the finishing of rolling raceways, a process that is essential to ensure better fatigue strength and longer life of the bearings.



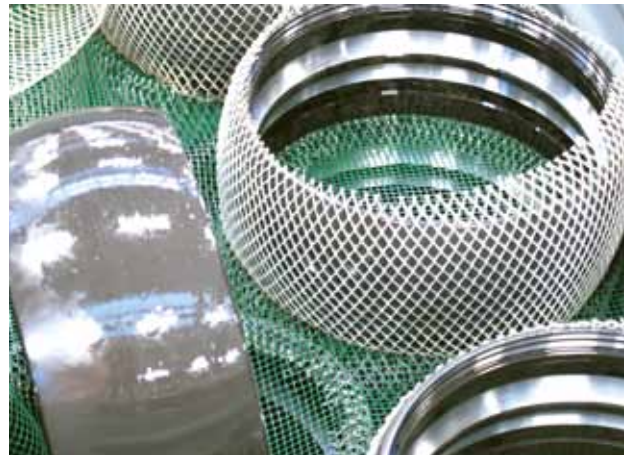
production







production



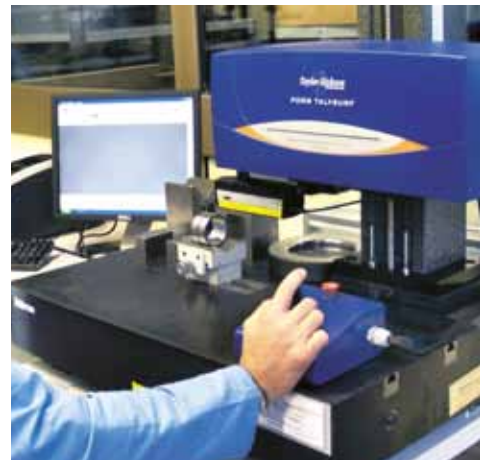
The final stage is assembling, which is performed in two separate departments – one for small bearings, one for medium-sized and large bearings. Components are assembled partly manually, partly on automated assembly lines. The finished products, duly marked and packaged, are then moved to the warehouse, ready to be shipped as planned in accordance with the Customer's logistic requirements.





production





quality

At CPM product quality is a start rather than a finish point.

Throughout the production stage numerous strict quality checks are carried out both on the production lines and in the Company's internal measurement laboratory, where specialised technicians test every single production batch using innovative, sophisticated measurement instruments.



GEARBOXES



AXLES



TEXTILE



we work with

ROBOTICS & AUTOMATION



MARBLE WORKING



MECHANICAL TRANSMISSION



OTHER APPLICATIONS



"Your needs...our actions" is the motto summarising our philosophy, which is strongly oriented towards customer satisfaction.

This is the motto that our staff strive to honour on a daily basis in developing thorough projects for some of the leading industrial groups. This is the key to our success and to our constant growth.



your needs... our actions!

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