



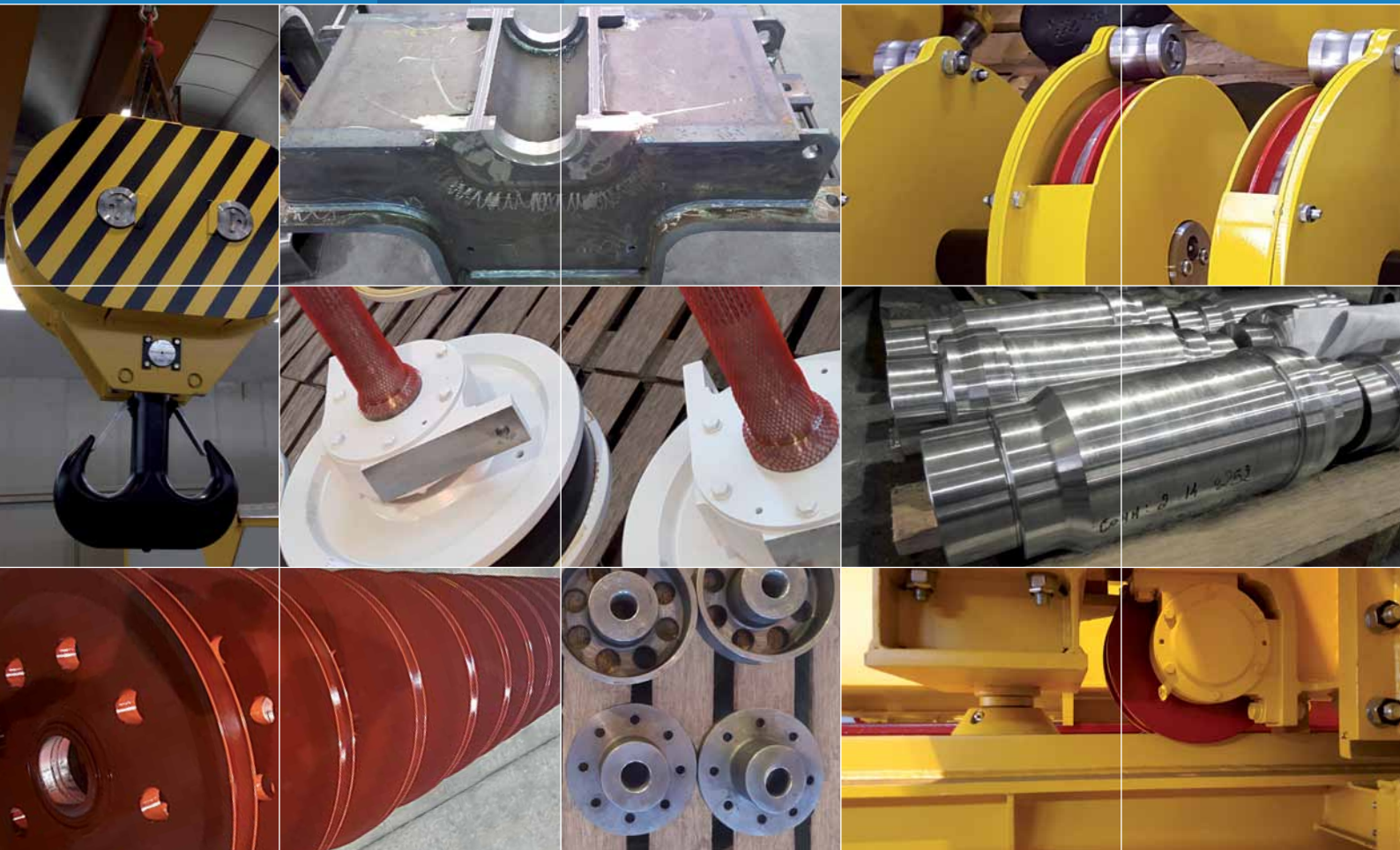
MADE IN ITALY

We make quality

MECHANICAL MACHINING AND ASSEMBLY

Engineering and manufacturing of Wheels, Pulleys, Guide Rollers and Hook Blocks.

Production to the customer's specifications and engineering.





HISTORY *Mechanical machining and assembly*

MECCANICA CENTER was established in 2005 on premises of 350 square metres, at the heart of Villanuova sul Clisi.

Business was dedicated entirely to turning processes, for any field of application: shafts, flanges, rings and disks. Five years later, in 2010, the company expanded, taking over new premises, of 3000 square metres, and developed its range of machinery by adding innovative solutions that made it possible to supply materials with a full machining cycle, including: design, preparation, welding, turning and milling.

Today, we have all the experience and professionalism needed to **manufacture custom designed** parts for any sector of the market; this is possible thanks to important technological know-how.

PHILOSOPHY *We make quality*

MECCANICA CENTER is quite a young company that was created to meet the requirements of local crane manufacturers for outsourced mechanical machining. The great desire to produce quality at any cost, has lead to MECCANICA CENTER becoming a company that offers the lifting industry an all-round service.

While maintaining its ability to serve customers in outsourced mechanical machining, it has developed its key products for cranes with the aim of offering an innovative and practical service.

Today, MECCANICA CENTER can offer its own engineered and manufactured Wheels, Pulleys, Guide Rollers and Hook Blocks, as well as manufacture the same products to the customer's specifications and engineering.

QUALITY *A stringent control cycle*

MECCANICA CENTER guarantees that all its machining undergoes a stringent control cycle. Before moving on to the next phase of machining, each piece is checked, using the appropriate equipment, and is labelled as being compliant.

This means that every stage of machining is recorded and the quality of the finished product is 100% guaranteed.

Particular attention was paid to wheel hardening.

Verification of the procedure and its results was entrusted to the University of Brescia with very satisfying results. All machined surfaces are supplied with Tectyl protective coating to prevent corrosion and rust.



PRODUCTS

GEARBOXES

MECCANICA CENTER can manufacture and supply custom gearboxes, designed and manufactured to meet the customer's requirements.

The product is supplied assembled and tested, and are made the follows test:

- INTERNAL VISUAL INSPECTION (Before to close the gearbox);
- STUD PRELOADING;
- FUNCTIONAL TEST (12h);
- TEMPERATURE RECORDING;
- SEALS LEAKAGE CHECK;
- FINAL VISUAL CHECK.





WHEELS

MECCANICA CENTER can manufacture various types of wheels that are ideal for any kind of application; with diameters varying from 250 to 1050 mm. It can also supply: just part of an assembly, e.g. angled supports, wheel units, shafts etc. Angled supports are designed to meet DIN and FEM standards depending on the customer's requirements. It can, in any case manufacture to the customer's specific engineering.

The choice of material has been made to meet the following quality requirements:

- Wheel body 42CrMo4 complies with UNI EN 10250-3, heat-treated and hardened with hardness up to 42-47 HRC;
- Axles 39NiCrMo3 comply to UNI EN 10023/1;
- Supports and covers S275JR, S355JR and/or s275 JR;

Particular importance has been given to hardening which is specifically designed to increase the durability of the wheel.

At the end of the heat-treatment session, one of the following non-destructive tests must be carried out:

- 100% UT test on the tread;
- 100% MT test on the tread.



PULLEYS

MECCANICA CENTER can manufacture and supply pulleys, from diam. 250 to diam. 2000, designed and manufactured to meet the customer's requirements. The pulley can be supplied bare or assembled complete with bearing.

To complete the range the product is offered in two specific types:

- Forged pulleys: complying to UNI EN 10250-3 in heat-treated 42CrMo4, engineered in accordance with DIN 15061,
- Welded pulley: a very light product, especially on larger diameters, engineered in compliance with DIN 15061.

At the end of the heat-treatment session, one of the following non-destructive tests must be carried out:

- 100% PT test on the tread;
- 100% MT test on the tread.





GUIDE ROLLERS

MECCANICA CENTER can manufacture assembled guide rollers: from guide rollers mounted on a shaft, to guide rollers complete with bearings, shafts, supports and other elements. During the design phase particular attention has been paid to the maintenance aspect by seeking to make it quick and easy. MECCANICA CENTER can, in any case, satisfy the customer by manufacturing the product to their engineering requirements. Just like our wheels, the quality aspect when choosing materials was essential:

- Roller body 42CrMo4 complies with UNI EN 10250-3, heat-treated and hardened with hardness up to 42-47 HRC;
- Axles 39NiCrMo3 comply to UNI EN 10023/1;
- Metal structures and covers S355JR.

Particular importance has been given to hardening which is specifically designed to increase durability.

At the end of the heat-treatment session, one of the following non-destructive tests must be carried out:

- 100% PT test on the tread;
- 100% MT test on the tread.



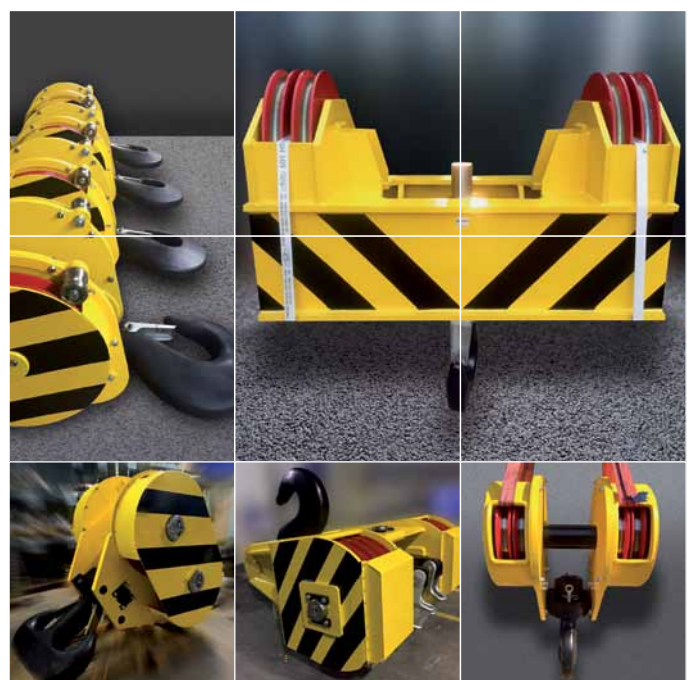
HOOK BLOCKS

MECCANICA CENTER can manufacture any type of hook block for any type of application. During the design stages particular attention is paid to maintenance as well as the strength and quality that have always been the mainstay of Meccanica Center.

We can manufacture special hook blocks to the customer's engineering and we are always willing to share innovative solutions and solve any design issues. The hook is chosen to comply with DIN 15411 standards forged pulleys axes 39NiCrMo3 comply to UNI EN 10023/1 metal structures and covers S355JR.

The product is supplied fully assembled and is ready to be installed.

Meccanica Center can, in any case, supply just parts for manufacturing hook blocks or spare parts.





MECHANICAL MACHINING

MECCANICA CENTER can offer mechanical machining for third parties:

- Gears for reduction gears;
- Cardan joints and extensions;
- Metal structures;
- Small components (spacers and supports);
- Plates;
- Turning;
- Milling;
- Boring;
- Threading.



MACHINERY PARK

■ TURNING:

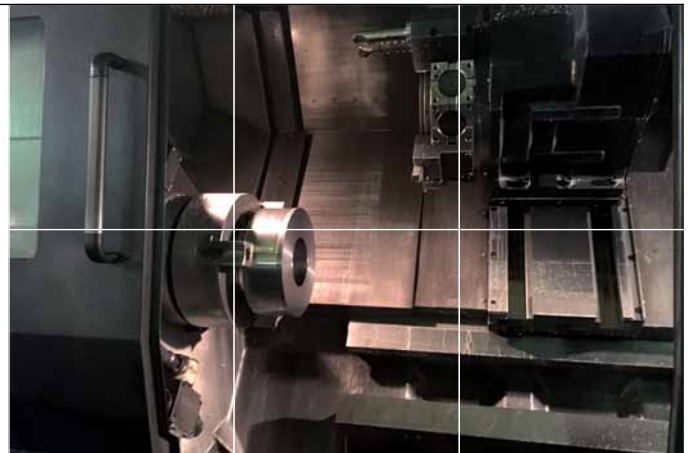
- VIOO OKUMA CNC vertical turning lathe
- GRAZIANO SACH 24 CNC bed lathe
- DOOSAN PUMA 400 CNC lathe
- DOOSAN PUMA 1600 CNC lathe
- OMG manual lathe

■ SLOTTING MACHINE - DRILL:

- FROMAG CNC slotting machine
- CASER 50 radial drill

■ MILLING - BORING:

- SACHMAN TS 10 CNC milling machine
- SACHMAN CNC milling machine
- SPINNER VC750 milling machine
- FAGIMA milling machine



PACKAGING

MECCANICA CENTER can offer various packing solutions:

- Use of self-supporting crates where necessary;
- Use of fumigated wood where necessary;
- Use of barrier bags with desiccants where necessary.

Our packing service comes complete with all the necessary documentation to certify the use of suitable materials (fumigated wood - self-supporting crates).



SHIPPING

MECCANICA CENTER also offers the possibility of using a complete national and international shipping service.

Our partnerships with reliable professionals make it possible for us to offer:

- Shipping by road;
- Shipping by sea;
- Shipping by air.





VALSABBIA

Ponte Pier

Tormini

SALÒ

VILLANUOVA

Azzurra Fitness Club

Ita mark Villanuova s/r

Villanuova sul Clisi

Caffe Le 2 Regine

BRESCIA

Direction Valsabbia
Trento-Madonna di Campiglio

Exit:
Tormini-Villanuova

IDEAagency.it



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