OFFICINA MECCANICA ORNAGO S.r.l.

Turbines, Compressors, Pumps, Rotors
Our History

The workshop Ornago S.r.l. was set up in 1965 in the establishment of Carugate as turning of shafts, flanges and discs. In 1985 the company moved to a larger property of 500 square meters, expanding the business to the complete cycle, from design to welding, milling and turning.

In 1995 the company expand again, moving into the most modern and contemporary building of 2000 square meters of via Riva bambina, 4 Carugate Milan.

Today the company, ISO9001 certified, is able, thanks to its know-how and the CAD_CAM systems, to realize fully and professionally designed components for various markets.

The workshop Ornago, work tasks of parallel and vertical turning, milling, boring, drilling and threading.

The company’s fleet consist of numerically controlled machines 5-axis to meet the sophisticated needs of any costumers.
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What does it take to perform successfully and safely Manufacturing / Assembling of New ROTORS:
Technical Knowledge / Availability of All technical data / Disassembling – Reassembling Facilities / Skilled technical people / Special shop Toolings / Qualified Raw Materials Suppliers / Experience & Capability to produce all needed Parts

ORNAGO S.r.l. are offering production of New Rotors for:
Gas Turbines / Steam Turbines / Centrifugal Compressors / Centrifugal Pumps
Centrifugal Compressors and Centrifugal Pumps ROTORS can be Technically Refurbished to as new conditions and if necessary major Components like IMPELLERS are replaced. Balancing and Overspeed Tests are executed and complete balancing of the finished rotors is performed.
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GAS TURBINE ROTORS production of new rotors is done according to all applicable specifications and considering the complex technical requirements for Gas Turbine rotors components and assembling sequence, ORNAGO S.r.l. with selected Partner Companies utilize all needed shop Facilities.
The following Facilities / Toolings are among those that are necessary to assure proper and High Quality execution of Gas Turbine Rotors Disassembly – Reassembly:

- Sand Blasting and Painting Machine / Work Set-Up for Assembling of DISCS and Beveling
- Grinding operations on external diameter and lateral surface of DISCS (with Blades)
- Special Devices for Lifting in Horizontal and Vertical position and of Rotor Components
- Horizontal and Vertical Balancing Machines / Grinding and Cleaning of DISCS Caves
- Special Devices for Overturn and Turning of Rotor Components / Special Jacks for Tightening of TIE RODS
- Locking Devices / Devices for SHAFT HEATING / Devices for RUN-OUT check
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SHOP ACTIVITIES ON ROTOR COMPONENTS AND ON COMPLETE ROTORS
Special Hydraulically Operated DEVICE allows a synchronized tightening and un-tightening of TIE-RODS.

The TIE-RODS are pre-stressed, pre-loaded to be stretched to the correct dimensions as indicated by the relevant specification.

The System is specially designed to allow synchronized tightening of the TIE-RODS with Elongation/Pre-Loading, according to specification requirement.
ORNAGO S.r.l. with selected Suppliers of Key Components and Partner Companies, offers at competitive commercial conditions all activities connected with Rotors of Turbomachineries and also all Major Components like: Buckets, Axial Blades, Transition Pieces, Support Rings, Cover Plates, Bearings, Diaphragms, Turbine Casings, Compressor Interstage Diaphragms, Steam Turbine Blades and others.
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ADDITIONAL PICTURES OF GAS TURBINE PARTS AND SHOP ACTIVITIES
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ADDITIONAL PICTURES OF GAS TURBINE PARTS AND SHOP ACTIVITIES
Contacts

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