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Officina Lavorazioni
INGRANAGGI

Precision and Innovation since 1948

Over 75 years of experience in
high-precision gear machining services.



IQNET RECOGNIZED CERTIFICATION

Sistema di management certificato SQS ISO 9001:2015

Made to Move

OLI - Officina Lavorazioni Ingranaggi
Via Gramsci, 28 - 20025 Legnano (MI)
Tel. +39 0331 547275

O.L.I. SRL

In over sixty years in gear manufacturing we have played a key role in highly innovative precision gear machining thanks to costant technological developement and investiments in research and improving our technical expertise.

Our gears are highly specialised and are made with materials that comply with the directive and strictest precision and safety standars (a total certification of conformity).

The technical department works closely and discussing the most suitable solutions for customer.

MAINS AEREAS OF APPLICATION

- Wind/Energy
- Mining
- Petrolchemical
- Marine and Port
- Crane Industry
- Rolling Mill Machine
- Railway
- Industrial Equipment
- Earthmoving



A three generations

Experience play a key role to our success, a broad vision of the industrial sector in which we operate.
Technology, innovation and skill in the production process, guarantee hight quality to our customers.

Quality... is the key to our success

The whole productive process is monitored with precise control plans and programmed measurements which guarantee quality and efficienty.
The quality management system conform with the standard UNI EN ISO 9001:2015 certified management system provides a comprehnsive global approach in order to demostrate our ability to ensure customer satisfaction.



Machinery & Processes

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Gear Cutting Department





CNC Ger Hobbing Machines

- **GLEASON TITAN 1200 H**
  Up to Ø 1.200 mm. Module 40
- **HURTH MODUL**
  Up to Ø 2.000 mm. Module 30
- **GLEASON PFAUTER**
  Up to Ø 900 mm. Module 25





Horizontal Gear Hobbing Machine

- **PFAUTER P400**
  Max. length 2.000 mm.
  Up to Ø 450mm. Module 20
- **HECKERT**
  Max. length 2.000 mm.
  Up toØ 300mm. Module 12





Gear Shaping Machine

- **LORENZ**
  Up to Ø 1.200 mm. Module 16
  Face Width 230 mm.





Vertical Gear Milling Machine

- **PV10**
  Up to Ø 1.000 mm. Module 30

Machinery & Processes

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Gear Grinding Department

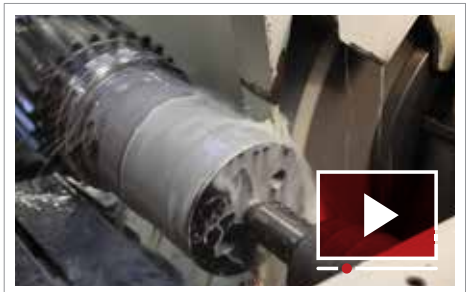



Gear Profile Grinding Machine

- **NILES ZP**
  Up to Ø 1.250 mm. Module 30
  Face width 750 mm
- **NILES ZE**
  Up to Ø 900 mm. Module 24
  Face width 600 mm




- **HÖFLER RAPID 800 LK**
  Up to Ø 800 mm. Module 26
  Face width 1.000 mm
  With changeble spindle for grinding wheels from Ø 40 to Ø 300 grinding program also for splined and wormshafts
- **HÖFLER RAPID 1600**
  Up to Ø 1.600 mm. Module 50
  Face width 1.000 mm
  Internal gear grinding arm - Module 15
  Face width up to 450 mm

Outer Diameter Grinding Machines

- **FORTUNA**
  Up to Ø 400 mm.
  Max lenght 1.500 mm
- **TOS**
  Up to Ø 650 mm.
  Max lenght 2.000 mm




Inner Diameter Grinding Machines

- **BWF 04**
  Up to Ø external 300 mm.
  to Ø internal bore 200 mm.
- **BWF 06**
  Up to Ø external 600 mm.
  to Ø internal bore 400 mm.
- **BWF 08**
  Up to Ø external 750 mm.
  to Ø internal bore 650 mm.

Machinery & Processes

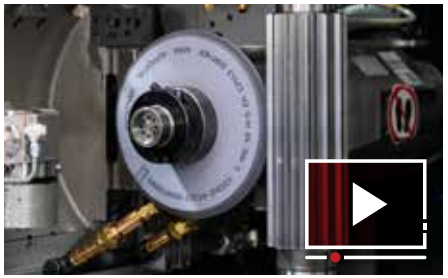
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Gear Grinding Department

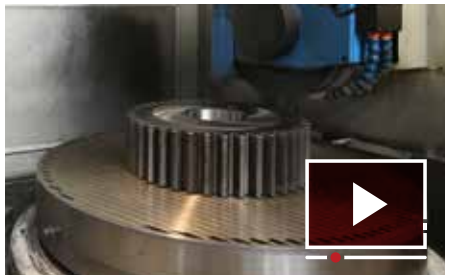












Splined Shaft Grinding Machine

- **HOFLER RAPID 800 LK**
  Up to Ø 800 mm. Module 26
  Face width 1.000 mm
  With changeble spindle for grinding wheels from Ø 40 to Ø 300
  grinding program also for splined wormshafts
- **KAPP**
  Max lenght part 850 mm.

Worm Shaft Grinding Machine

- **HÖFLER RAPID 800 LK**
- **HÖFLER RAPID 1600**
- **MIKROMAT**
  Up to Ø 300 mm. - Module 30

Rotary Surface Grinding

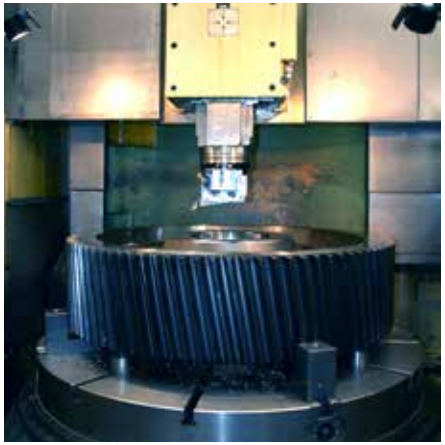
- **FAVRETTO MR100 CNC**
  Up to Ø 1.200 mm.
  H. 700 mm.



Machinery & Processes

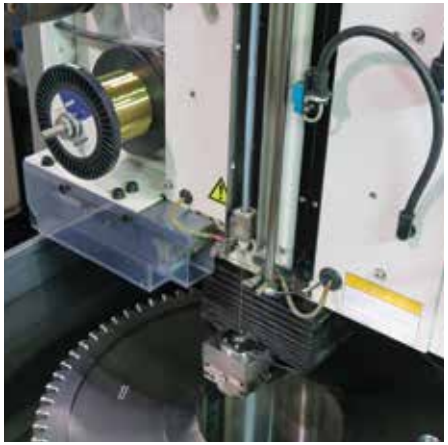
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Work shop Department



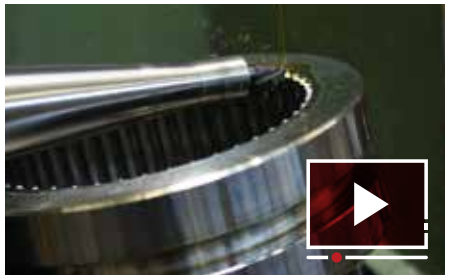


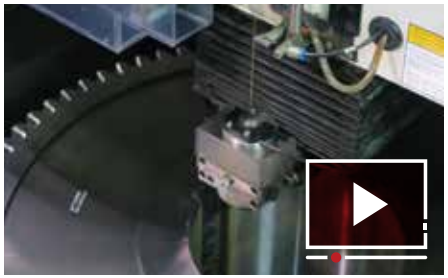












CNC Turning

- **VERTICAL TURNING PENSOTTI CNC**
  Max part Ø 1.800 mm.
  With electric mandrel for grinding and milling head, threading and boring.
- **HORIZONTAL TURNING CNC**
  Up to Ø 500 mm.
  Max Lenght 2.000 mm.
  Face width 600 mm

Keyseating Machines

- **FROMAG**
  Max. Slot Lenght 600 mm.
  Width 100 mm

Gear Rounding and Chamfering Machine

- Gear Rounding and chamfering machine

Wire Cut Edm Machine

- **Fanuc α-1C**
  Max dimension part790x730x275 mm.
- **Marus HF1200**
  Max dimension 1.200x1.500 mm.

Machinery & Processes

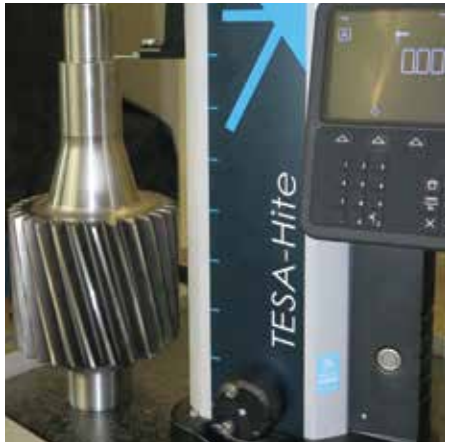
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Control Department

















Quality Control in Air-Conditioned Room

- WENZEL LH 1500 Hybrid CNC

Grinding Burn Test

- STRESSTECH ROLLSCAN 300
  Grinding burn test

Control

- EMCOTEST N7P000
  Portable Hardness tester
- TRIMOS HORIZON 1000
  Measuring Bench

Control

- Height Gauge TESA HITE 700

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MAIN AREAS OF APPLICATION

Wind Energy | Mining | Petrochemical | Marine Port | Crane Industry | Rolling Mill Machine | Railway | Industrial Equipment.| Earthmoving

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youtube.com/OliLegnano