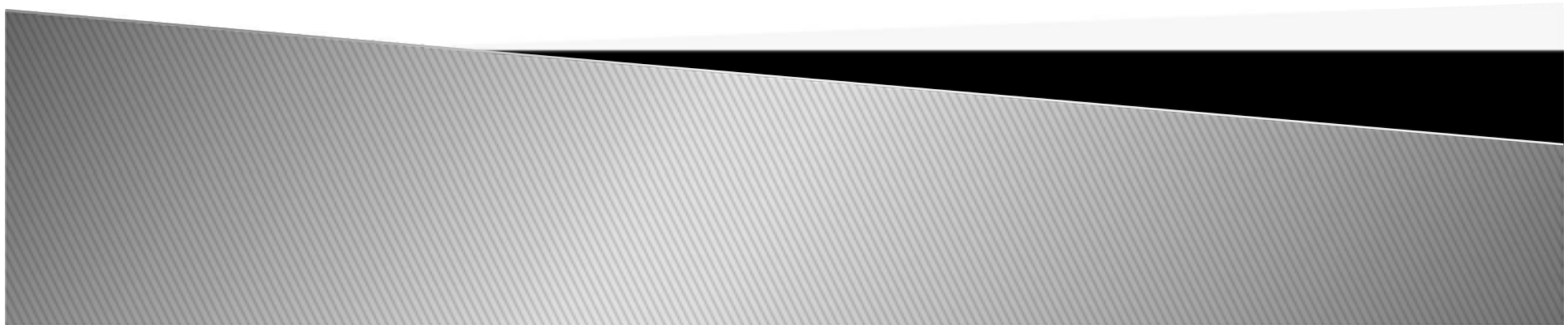
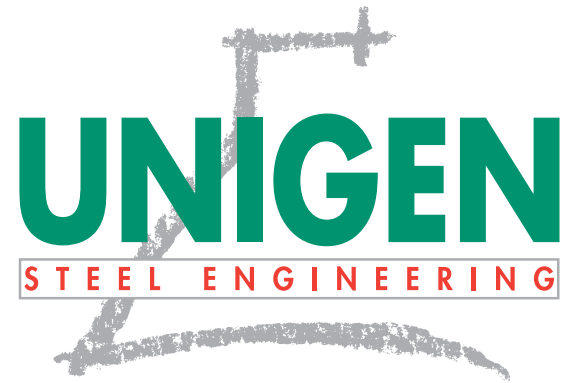


MECHANICAL QUALITY





is an **Italian company** internationally recognized for the quality of its machining medium and large sizes in steel, shipbuilding, cement and energy industries.

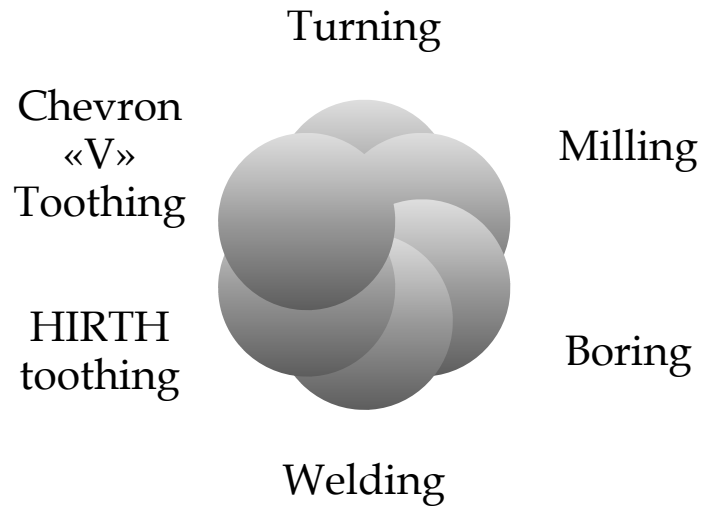
Our main business is for worldwide **steel producers**, field where we have more than **20 years of experience**.



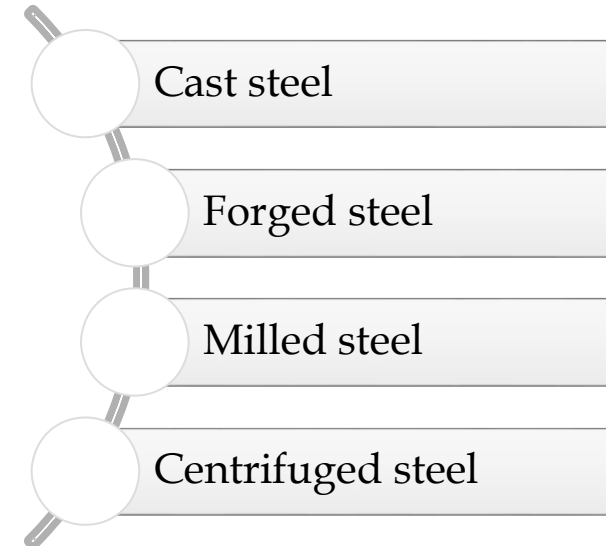
Business sectors:

STEEL SECTOR	SHIPBUILDING SECTOR	CEMENT FACTORIES	ENERGY SECTOR	PRESS SECTOR	TUBES MANUFACTURING
<ul style="list-style-type: none"> • SPINDLE SHAFT • SLEEVE • ROLLING MILL STAND • ROLLING MILL CHOCK • ENTRY ROLLER MILL GUIDE • PINION • GEAR • ROLL • SEGMENT • SHAFT • MECHANICAL SPARE PART 	<ul style="list-style-type: none"> • DRUM • SHAFT • PINION • GEAR • GEARBOX 	<ul style="list-style-type: none"> • GEAR • GEARBOX 	<ul style="list-style-type: none"> • MOTOR • PLASTIC RECOVERY 	<ul style="list-style-type: none"> • PINION • GEAR • SHAFT 	<ul style="list-style-type: none"> • CRANKSHAFT • TRANSMISSION CLUTCH • MUD SEPARATOR DRUM • HEAT EXCHANGER

Types of workmanship:



Processed materials:



Strengths:

Steel purchased
in Italy

Compliance with
international
regulations for
the entire
production cycle:
UNI-EN/DIN for
Europe,
AISI/SAE for the
United States and
GOST for Russia

Product testing
by ZEISS
machine

Flexibility, we
machine unique
pieces

Consultation
during the design
phase

Post-sales
assistance

We perform medium and large machining
up to **50 ton.** and **10 meters in length**

We sell worldwide:



■ Export 80%
■ Italy 20%



Market under development:



■ United States

■ India

Cylinder



Twin-screw Cylinder



Hydraulic Cylinder



Drum



Mud separator drum



Shaft



Crankshaft





Eccentric Shaft





Spindle Shaft







Coupling







Coupling with HIRTH teeth





Mechanical Spindle

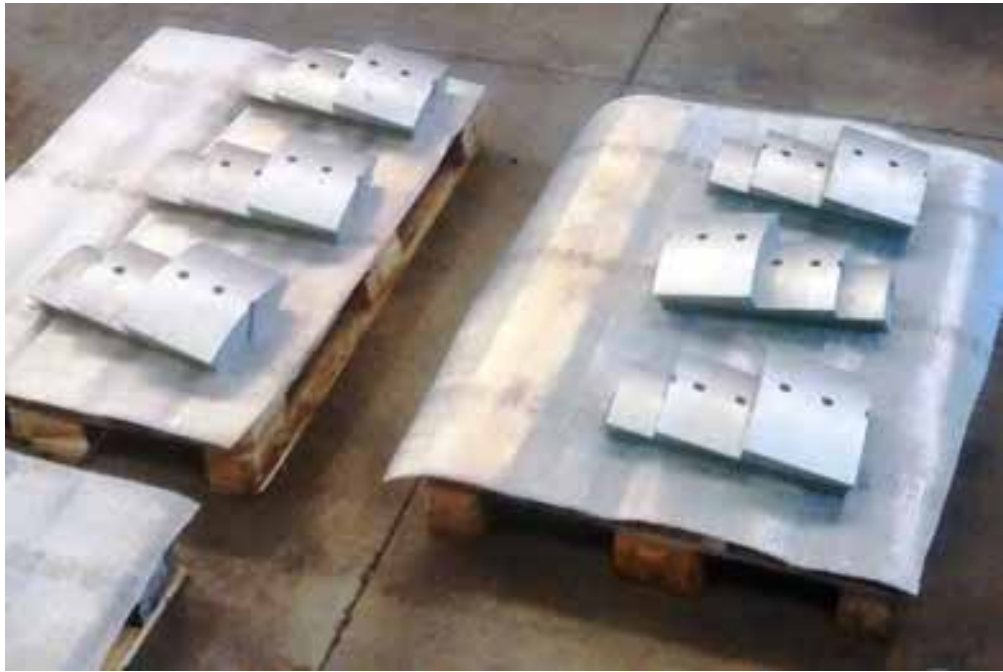


Segment





UNIGEN
STEEL ENGINEERING



Prism



Lamination Equipment





Entry roller mill guide





Rolling mill chock





Rolling mill stand



Wire rolling mill stand



Power Splitter



Gear











Gear in 2 parts





Pinion







Roll





Gearbox



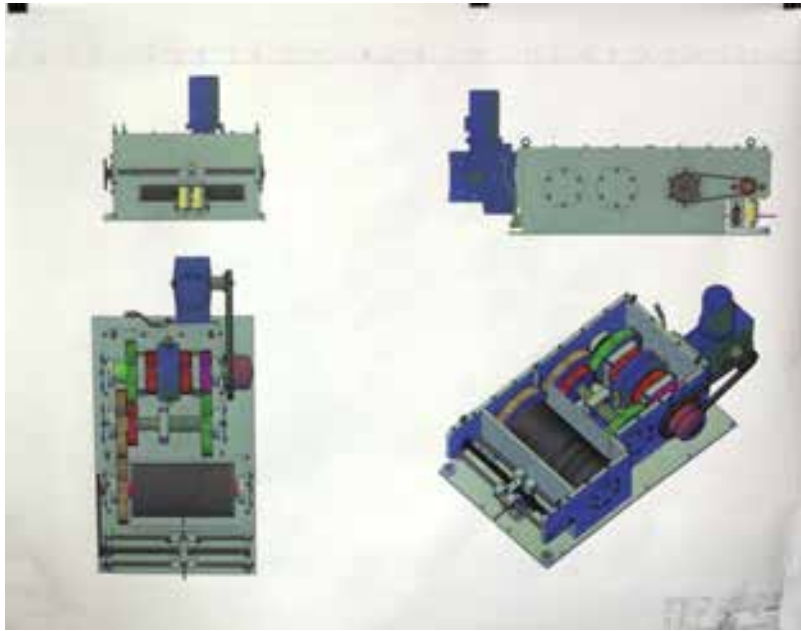




UNIGEN
STEEL ENGINEERING



UNIGEN
STEEL ENGINEERING



Block Motor



Bush



Stamp



Power loom



Company Equipment

Turning

- CNC turning with a complete motorized unit of a motorized boring and milling system and punching and boring for a maximum length of 4000 mm in turnable diameter and 1700 mm in maximum length 7000 mm SIEMENS 840D control system;
- CNC turning turnable diameter 1300 mm and 5000 mm in length;
- CNC turning 420 mm in length and 3000 mm with motorized unit for boring and milling SIEMENS 840D control unit;
- CNC turning 500 mm in length and 3000 mm with motorized unit for boring and milling SIEMENS 840D control unit;
- Visualised parallel turning turnable diameter 1200 mm and 4000 mm in length;
- Visualised parallel turning turnable diameter 1300 mm and 6000 mm in length.



Boring / Milling

- TOS milling machine fixed bench runs 8000 x 2000 x 1000 mm;
- Continuous spindle milling diameter 135 fixed upright runs X 3000 Y 2000 Z 1800 CNC FANUC control unit, tool change 60 table stations 1800 x 2000 mm;
- MAZAK MTV 655/80N vertical work centre with MAZATROL FUSION 640M ISO50 tool change control with 30 run stations X 2000 Y 650 Z 740;
- MAKE mobile upright milling runs X 10000 Y 3500 Ram exit 400 x 450 runs 1000 Spindle diameter 160 run 800, rotating table 2500 x 3000 run 1500, 40-tonnes capacity. 40-position automatic tool changer. 30-position automatic horizontal tool changer. Head in continuous rapid change. Spindle power 40 Kw. High pressure refrigerating system;
- Continuous AFD milling 105 runs X 2000 Y 1600;
- Binding machine 4 visualised runs 1000 x 400.



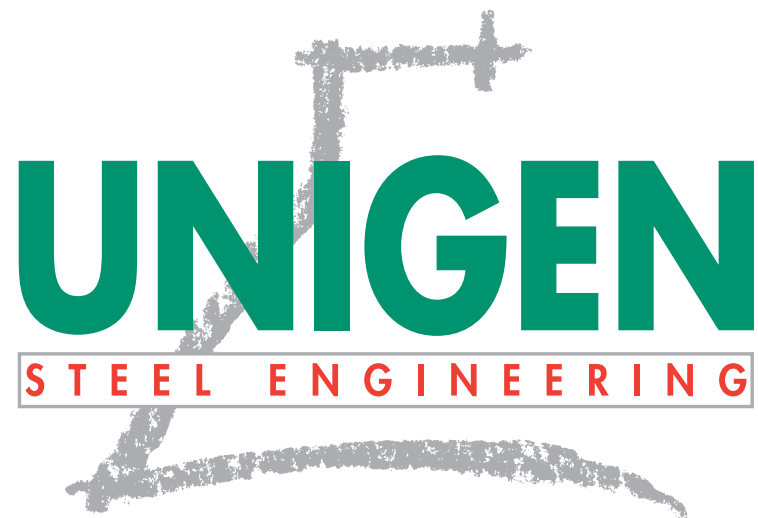
Certificates

Nr. 1 ZEISS MACHINE MMZK 3300X1530X1350mm 3 DIMENSION



Varied

- Nr. 1 balancing cemb mod. ZB3000/TCGV DIAM. MAX.1400X8000mm
- Painting workstation with wall mounted aspirator
- Besides for completely finished particulars (i.e. chrome plating - grinding - heat treatment) avail ourselves of the cooperation of our different associates



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