



# **ORIGINAL EQUIPMENT MANUFACTURING**

*From drawing to the assembly line*



# CHIARAVALLI GROUP



Chiavaralli Group SpA, today a leading player in the industrial transmission sector, was born in the 1950s thanks to the entrepreneurial skills of its founder, Silvio Chiavaralli.

The Chiavaralli brand soon became synonymous with guarantee, quality and technological innovation in the industrial mechanics sector.

The awareness of working in a constantly evolving market has meant that Chiavaralli Group SpA has chosen constant dialogue with its customers as a winning strategy, putting at their disposal its many years of experience and its passion in producing always in line with the times.

Today the group is made up of 4 commercial divisions and a production division thanks to which we offer components for the industrial, both standard and special, food and motorcycle sectors. A wide range of products thanks to which we aim to be a reference for the activities of our customers and not just suppliers.





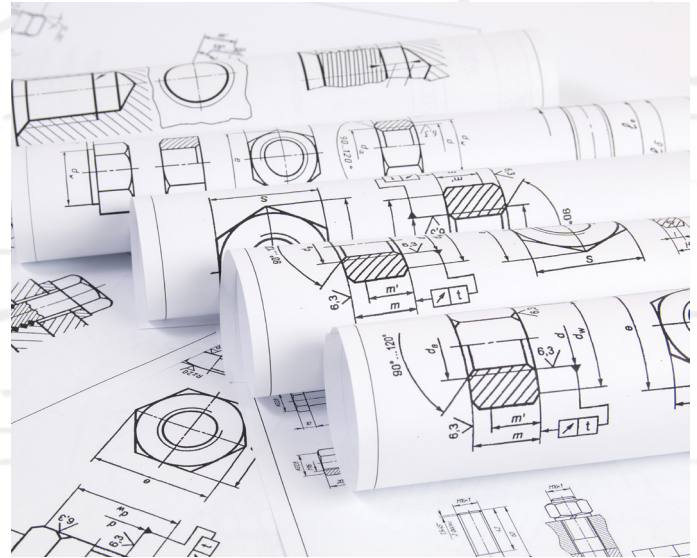




# TECHNICAL OFFICE

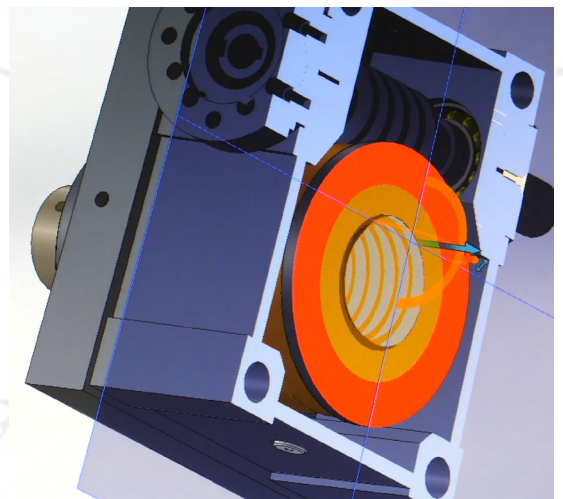
Our Technical Office develops the best solution for our customers' needs; OEM division offers a step-by-step service that goes from the analysis of the drawings to the delivery of the component realized in LMC plants.

- Innovative CAD and CAD-CAM system
- Prototyping phase with 3D printing used for testing purposes



- State-of-the-art technologies and machinery
- Historical and profound know-how
- Experienced team
- Dedicated technical office support

- Expertise in various and different sector
- Cross-sectorial knowledge







# SERVICES & PROCESSING

Capabilities	Number of machines	Dimensions				
		Diameter		Lenght		
		Min (mm)	Max (mm)	Min (mm)	Max (mm)	
Horizontal Turning	40	-	600	-	3200	
Vertical Turning	15	-	1200	/	/	
Broaching	7	-	700	/	/	Measure for external diameter
Gear Hobbing	15	-	1000			Up to modul 20
Knife Hobbing	5	-	500			Measure for internal diameter   Up to modul 12
Knife Spiral Hobbing	1	-	500	/	/	Measure for internal diameter   Up to modul 12
Klingenberg Sharpeners	3	/	/	/	/	Up to modul 20
Conical teething	20	-	400			Up to modul 12
Milling   3 Axes	5	-	700	-	700	
Milling   4 Axes	10	-	800	-	800	
Milling   5 axes	5	-	1200	-	4000	
Teeth Grinding	1	-	300			Up to modul 10
External/Internal diameter grinding	3	-	200	-	1000	
Laser cutting	2					6kW - 2000 x 4000 Slabs

With the sole objective of supporting our clients with an ever-changing offer, we always employ the latest technology and machinery to help us deliver high quality machining in very different type of processing techniques.

In unison with our quality control lab, we can provide mechanical pieces from drawings straight to your productive sites ready to be assembled.



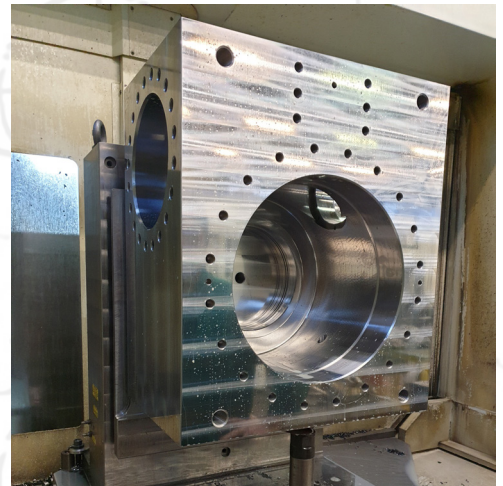


# SERVICES & PROCESSING



We have 2 different production sites located at Cavaria con Premezzo which cover more than 35000sq. Here our personnel, thanks to his expertise and know-how, is eager to deliver the best product to our customers.

Thanks to a small number of extremely qualified partners, we are able to offer a complete service beside mechanical machining as washings (degreasings and cleanings), heat treatment, coatings, galvanic coatings, magnaflux.





# QUALITY CONTROL



During each step in our production, each component goes through a screening and quality check procedure.

- 6 metrological room with high-precision automated 3D contact control.
- Various certifications to ensure following the highest standard.

Each production step undergoes a check made by electronic instruments.



Screening our original pieces in every phase allow us to ensure that high quality standards are pursued during production thus ensuring the overall quality of the product.

Performing continuous checks also grants the possibility of finding project mistakes before the production is completed, so we can correct both project and prototype, save resources and maintain a competitive offering.

All of our controlling robot and machinery are provided by Zeiss.

<b>ZEISS CONTROL LAB</b>	<b>Number of Machines</b>	<b>Details</b>
ZEISS - 3D	9	Max dimension: 1200 X 1800 X 800
Gleason Tester	5	Max diameter: 400mm
Profilometer	5	
Hommel (Optical Shaft Measuring Technology)	2	Max length: 1000mm
Our Quality Control LAB perform both destructive and non-destructive analysis.		

Scan to see all our Certifications!





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