



# Casagrande Ingranaggi S.r.l.

[www.casagrandeingranaggi.it](http://www.casagrandeingranaggi.it)

## *Casagrande Ingranaggi*

Casagrande Ingranaggi was established in 1959 by Mr. Natale Casagrande (after having gained ten years of experience in the field of gears in a major helicopter company) and his wife Marisa. The company, currently managed by their children Massimo, Luca and Monica, has always produced quality gears.

Today Casagrande Ingranaggi is able to produce internal and external cylindrical grinding gears as well as Gleason-Klingelnberg conical gears with a maximum quality (DIN 3) under the ISO 9001:2000 certification scheme. Casagrande Ingranaggi is also certified by AgustaWestland.

Ensuring consistency and quality in the production are essential factors for Casagrande Ingranaggi in order to meet the needs of its customers, who are situated in a variety of different industries such as aviation, marine, wind energy, steel etc.

Casagrande Ingranaggi is constantly growing: Both on the productive side through continuous investments in new machinery and equipment, and on the management side in terms of e.g. new investments in IT tools. That enables the company to respond to its customers' needs in a quick and flexible manner.

Casagrande Ingranaggi is a dynamic and forward looking company; ready to face the new challenges of the third millennium.

*SEMPER IN MOTU*

## *Casagrande Ingranaggi s.r.l.*



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## *Certifications*



Casagrande Ingranaggi S.r.l.  
is ISO 9001:2008 certified and  
a recognized supplier of  
AgustaWestland.

# Main internal departments

## TESTING DEPARTMENT

- NR.1 ZEISS PRISMO 900x1200 with VAST Gold Sensor
- NR.1 HOFER EMZ 2602  
Three dimensional involute checking-machine with test certificate for: parallel gears, worms, gears with intersecting axes
- NR.1 AIR CONDITIONED ROOM WITH PRIMARY INSTRUMENTS
- NR.1 ROUGHNESS MEASURING INSTRUMENT MAHR PERTHEN M 4 Pi
- NR. 1 TRIMOS THELMA 1000  
Electronic calibration of measuring equipment machine
- NR. 1 MAGNAFLUX TEST MACHINE
- NR. 1 MAGNAFLUX TEST SET
- NR. 1 "BARKHAUSEN" CONTROL MACHINE OF RESIDUAL STRESS
- NR. 1 EQUO TIP HARDOMETER

Our equipment is constantly improving and periodically inspected with primary standard samples.

## GEAR GRINDING MACHINES DEPARTMENT

- NR.1 HOFER RAPID 6000  
(max. diameter 6000 Mn60 F2000)
- NR.1 HOFER PORTA 3300 XL  
(max. diameter 3300 mm, face max 1650 mm, module max 36, internal max. diameter 3300, helix +/- 90 gradi - year 2006)
- NR.1 HOFER RAPID 1500L  
(max. diameter 1500 F max 1500 Mn max 36 F max for internal 390 Mn 16 diam.1500)
- NR.1 NILES A MOLA ZP 10  
(max. diameter 1250 mm, face max 740 mm, module max 20)
- NR.1 NILES ZE 630  
(max. diameter 660 face max. 400)
- NR.1 NILES ZE400  
(diameter 500 F450 Mn16)

## CONICOL GEARS DEPARTMENT

- NR.1 DMG DMU 2108
- NR.2 KLINGELNBERG W 800 CNC  
(Gleason and Klingelnberg grinders)
- NR.1 GLEASON PHOENIX 1000 HC TOOTHING MACHINE  
(max. diameter 1000 FaCE max 140 modul max 20)
- NR.1 GLEASON TOOTHING 16"
- NR.1 HYPOID LAPPER 508  
(orientable)
- NR.2 TESTER 27"
- NR.1 TESTER 17"  
(orientabile)
- NR.1 TESTER 13"
- NR.1 TESTER 7A"
- NR.I HYPOID LAPPER 19"

## THOOTHING MACHINES DEPARTMENT

- NR.1 MODUL ZFWZ 30 CNC TOOTHING MACHINE WITH INSTRUMENT FOR INTERNAL GEAR  
(max. diameter 3000 mm, face max 1250 mm)
- NR.1 PFAUTER P900 TOOTHING MACHINE  
(max. diameter 2100 mm, face max 1050 mm)
- NR.1 DENTATRICE PFAUTER P1800  
(Diam. max 2100 mm, fascia max 1050 mm)
- NR.1 MODUL ZFWZ 08 CNC EZ TOOTHING MACHINE
- NR.1 DENTATRICE PFAUTER P900
- NR.2 PFAUTER P251 TOOTHING MACHINE
- NR.1 PFAUTER P400 H HORIZONTAL TOOTHING MACHINE  
(max. diameter 500 mm, face 2000 mm)
- NR.2 HECKERT THOOTHING-THREADING MACHINES  
(Fascia max 5000 mm LT max 3500)
- NR.1 CUTTER TOOTHING MACHINE  
(max. diameter 1250 mm)
- NR.1 TOS 50 AHA CUTTER THOOTHING MACHINE  
(max. diameter 500 mm )

- NR.1 FROMAG 62/524 SLOTTER TYPE
- NR.1 STUHLMANN POLYMAT CNC 150/1500 VS SLOTTER TYPE
- NR.1 MARCHELLO BVI BORING BROACHING MACHINE  
(1600 mm, 25 Ton.)

## *GRINDING DEPARTMENT*

- NR.1 TYPE DORRIES INTERNAL GRINDING MACHINES  
(max. diameter 2400 mm, face max. 1000 mm)
- NR.4 INTERNAL GRINDING MACHINES  
(max. diameter 1300 mm)
- NR.2 PLANE GRINDING MACHINES  
(max. diameter 800 mm)
- NR.2 TOS EXTERNAL GRINDING  
(max. diameter 850 mm, face max 4000 mm)
- NR.1 CNC GRINDING MACHINE FOR SPLINED SHAFT AND WORMS  
(max. diameter 500 x 2000)

## *MILLING AND TURNING MACHINES DEPARTMENT*

- NR.1 LATHE WITH MILLING HEAD  
(max. diameter 1000 mm, face max. 6000 mm)
- NR.2 CNC LATHES  
(max. diameter 650 mm, face max. 2000 mm)

## *SHARPENING AND EQUIPMENT DEPARTMENT*

- NR.2 SHARPENING MACHINES

## *MATERIALS MOTION DEPARTMENT*

- NR.2 TRAVELLING BRIDGE CRANES 25 – max. 50 tons
- NR.1 TRAVELLING BRIDGE CRANES – 15 tons
- NR.2 TRAVELLING BRIDGE CRANES – 10 tons
- NR.3 TRAVELLING BRIDGE CRANES – 5 tons
- NR.1 TRAVELLING BRIDGE CRANES – 3,2 tons

NR.1 CRANE 1 ton

NR.3 CRANES 500 kg

NR.3 ELEVATORS (9000 Kg, 3000Kg, 2000 kg)

10000 m<sup>2</sup> TOTAL SURFACE

5000 m<sup>2</sup> UNDER COVER SURFACE

# Work range

	MOD. R. MIN. MAX.	WOR. DIA. MIN. MAX.	FACE MAX.
Grinding gears in class DIN 3.	0.5 60	20 6000	2000
Internal helical grinding gears class DIN 4	1 36	200 3300	1650
Toothed gears in class DIN 8.	1 120	20 3500	1650
Bevel gears type Klingelnberg class DIN 5	5 40	200 1600	400
Gleason bevel gears class DIN 4	1 24	50 800	150
Straight inclined bevel gears	5 35	200 1600	400
Splined shafts and grinding worm	1 25	20 500	2200
Grinding gear couplings	1 36	200 3300	1400

