



Besnate, 2013

MAGNI GYRO: a true Italian story that keeps on going with great worldwide success

Magni Gyro Srl. has been created thanks to the rotary wing passion and knowledge of Mr. Vittorio Magni. Nowadays our company plays a very important role in the world of gyros. Magni's products are known around the world for safety, well-engineered design, quality workmanship and reliability.

Magni's gyroplanes are exported around the globe and are used both for sport and recreational flight in addition to a range of specific commercial purposes. Because of their slick design and quality build characteristics, these gyros are versatile and easy to use yet operate at low-cost. These factors make them ideal for professional use.

Born near Milan in 1938, our CEO Vittorio Magni, started gaining technical knowledge in 1956 at Agusta Spa, now Augusta Westland, working in the transmission, engine and airframe departments.

In 1962 he was recruited as a specialist in the Helicopter Division of Montedison where he gained experience in crop spraying and aerial disinfestations.

In 1964, he established Elitaliana along with another pilot - a company for aerial work specialized in crop spraying.

In 1967, thanks to his wide rotorcraft experience, he collaborated with Silvercraft Spa (a brand new company created to build a new light helicopter). At Silvercraft, he was appointed *Flight Line Leader* and obtained the helicopter pilot's license.

At that time, Vittorio imported plans for a Bensen gyroplane from the USA. These were used to produce the first gyro to fly in Italy.

After that first machine, Vittorio developed a complete range of one and two seats gyros, even more and more improved.

His first commercial success in the field of gyros was in 1986 when he sold to a Spanish company called *Cenemesa* the Patent rights for two models: the single seat MT5 and the two seats MT7, both powered by Arrow engine.

In 1987 he created the VPM Company with a dedicated department to manufacture composite parts in order to satisfy the increasing demand from several local aeronautical companies (Agusta Spa; Aerea Spa, etc.).

In 1996 the old company VPM became MAGNI GYRO with the purpose of improving existing models and designing new ones. Since its incorporation, the company has demonstrated itself to be capable of high quality and rapid continued improvement in design development.

Magni Gyro srl

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After the first years in Cavaria, the company made its first expansion in 2000, when it moved to a 900 m^2 building in Besnate, a small town in the Varese district. Thereafter in January 2008 the company underwent a huge and important expansion.

The new 2000 m^2 building in Besnate, assures a constant production of 7-8 gyroplanes per month, giving an annual production of approx 80-90 units.

Today around 800 gyros have been produced and are successfully flying around the world!

The geographical location of our offices is important as the Varese district is one of the most important aeronautical centers in Italy. This gives us several advantages, for example, the ease in finding suppliers of aeronautical materials together with a large pool of skillful and specialized staff and companies.

Production is organized within three semi-independent departments, headed by Vittorio's sons Pietro and Luca, who collaborate to produce reliable, effective and profitable production alongside long term planning for standard and prototype production.

The three departments are:

Composite materials department:

- Hand-made impregnation and "sandwich" lamination techniques, processing of fiber glass, carbon fiber and Kevlar with epoxy-polyurethane resins
- Finishing & refinishing of parts
- Painting
- Blade balancing facilities

Structures department:

- Light carpentry
- TIG welding (aluminum, steel...)

Assembly department:

- Systems assembly
- Gyroplane assembly
- System inspection and test
- Inspections
- Overhaul

The support from external companies in producing accurate machined parts which have been designed and utilized exclusively for Magni's designs is a key part of our success.

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MAGNI'S GYROPLANES

Magni Gyro Srl. is a company who produce a wide range of gyroplanes reputed around the world for being stable, reliable, safe and of high quality.

Our present range includes: the enclosed M24 Orion two seat, the M14 Scout two seat 1+1, the M16 Tandem Trainer two seat with dual control system for training and the dual seat M22 Voyager particularly suitable for long cross country flights.

M24 ORION - Fully certified by British CAA under "BCAR Section T "

The M24 Orion is a fully enclosed, side-by-side two seat, dual control model, specially designed for those who want to enjoy some luxury whilst having fun.

The new **"VIP"** version has a slick executive finish making this gyro particularly elegant and refined.

M14 SCOUT

The M14 Scout, with compact seating and aerodynamic design, provides exceptional performance and two-seat utility combined with the essential Magni's qualities in terms of safety, stability and superior structural strength. This gyroplane is well known to the amateur market because of its practicality combined with high-quality performance.

This is Magni's sports model but it is also well suited for applications in fields other than leisure flights.

M16 TANDEM TRAINER – Fully certified by British CAA under "BCAR Section T"

The M16 Tandem Trainer model uses well established technology. The design has recently been upgraded in order to better meet customers' needs. The M16 is extremely stable, reliable and has a considerable range. It is easy to control, fun and is excellent for both teaching and for enjoying flights with a companion.

M22 VOYAGER

The M22 Voyager model is, as the name itself suggests, the ideal solution for travelling in comfort. The M22 is a well-equipped two-seat gyroplane featuring a large luggage compartment and an oversized fuel tank. Ideal for travelling, it maintains the stability and safety characteristics of the M16 model.

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Use of a gyroplane

Because of their peculiarities, gyroplanes are capable of short take-offs and landings - considerably shorter than for traditional aircraft. Gyroplanes can fly at a wide range of speeds and are very safe even at slow and very slow speed as they cannot stall. The gyro has a relatively low initial cost combined with low maintenance and operating costs.

At present, gyroplanes are mainly used for recreational flying but, there are many commercial purposes for which gyroplanes can be used which include:

- Aerial monitoring / of power lines - telephone lines – pipelines
- Patrolling roads
- Aerial monitoring of potentially dangerous situations (with camera systems application)
- Environmental control (embankments – flooding – fire - earthquake)
- Agricultural crop spraying
- Light/small transport
- VIP transport service

Customer service

Magni Gyro activity is not only within the company's walls. The maintenance centre is very important to provide consistent, reliable and efficient assistance to customers. Flight tests, scheduled and ad-hoc maintenance is handled by our maintenance centres.

Customer service is key to the success of a product. Over the years, Magni Gyro has developed a network of local agents and dealers who are able to provide high quality pilot training combined with reliable maintenance support.

These agents have the necessary technical skills to carry out these maintenance activities however in addition Magni Gyro srl run regular courses allowing them to keep their technical skills completely up to date.

Dealerships are established within each market area. Every Dealer - Agent must demonstrate compliance with an established quality level depending on available facilities, training capability and technical knowledge of agent's technicians.

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Research and Development for future progress

"INNOVATE TO BE INNOVATIVE" – This is our motto!

Magni Gyro Srl. firmly believes in investing in R&D to offer the widest range of solutions for both current and forthcoming customer needs. The company keeps expanding existing products capabilities, install state-of-art technologies in its future programmes to develop always more advanced and reliable products.

MAGNI GYRO Srl
Vittorio Magni /CEO

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