

COMPANY PROFILE

ABOUT *Us*

Since **1952** METEOR PISTON produces high quality **aluminum alloy pistons** for internal combustion engines or compressors, while CABER PISTON RINGS is specialized in producing **cast iron piston rings** for internal combustion engines or compressors and **seal rings** for hydraulic applications.

THE ART OF PISTONS AND PISTON RINGS PROCESSING.

We are specialized in the production of aluminum alloy pistons and cast-iron piston rings for a **wide range of applications**. Our goal has always been to deliver high-end quality products, constantly moving towards cutting edge technologies to ensure the highest quality and performance standards to our customers.

PROUD TO BE ITALIAN MANUFACTURERS.

Being Italian means we have a lot of **passion and dedication** in what we do. Meteor Piston and Caber Piston Rings are the combination of **deep heritage** in producing ability, technical creativity, tradition in engines and flexibility. In our products we put the best in the world in terms of technical partners, technologies and components.

ABOUT *Us*

OUR MISSION

To be our **customers' first choice** as a reference partner in the design and development of quality components for high-performance engines.

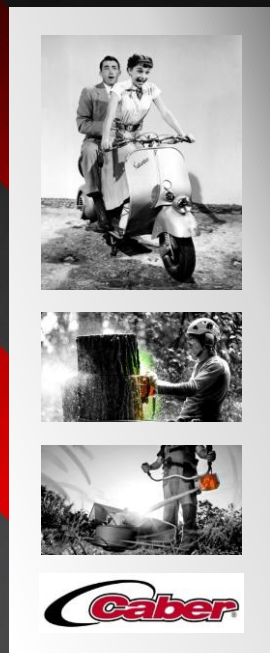
OUR VISION

To grow globally together with our technical partners through **continuous research** of new solutions and new technologies ensuring the **highest standards** of quality and performance to enable us to **make the difference** in the global market.

OUR VALUES

To create a great company and, more important, a **great family** where respect, honesty, dedication, equal opportunities and professional growth can lead the company to stand out and grow today and into the future. To focus on the **sustainability** of all new initiatives and projects, considering safety, health and environmental impact.

OUR HISTORY *M*ILESTONES



1952

Year of foundation

Meteor Piston was born as a producer of aftermarket pistons for VESPA and LAMBRETTA, the most important two-wheeled vehicles in Italy during the 50s.

1960 ÷ 1970

Italy and Export

Meteor Piston is one of the first Italian exporters thanks to the distribution of pistons for PIAGGIO APE and VESPA in Europe and Central Asian countries.

Meanwhile the product range becomes bigger due to the Gardening & Forestry applications.

1970 ÷ 1980

OEM supplier

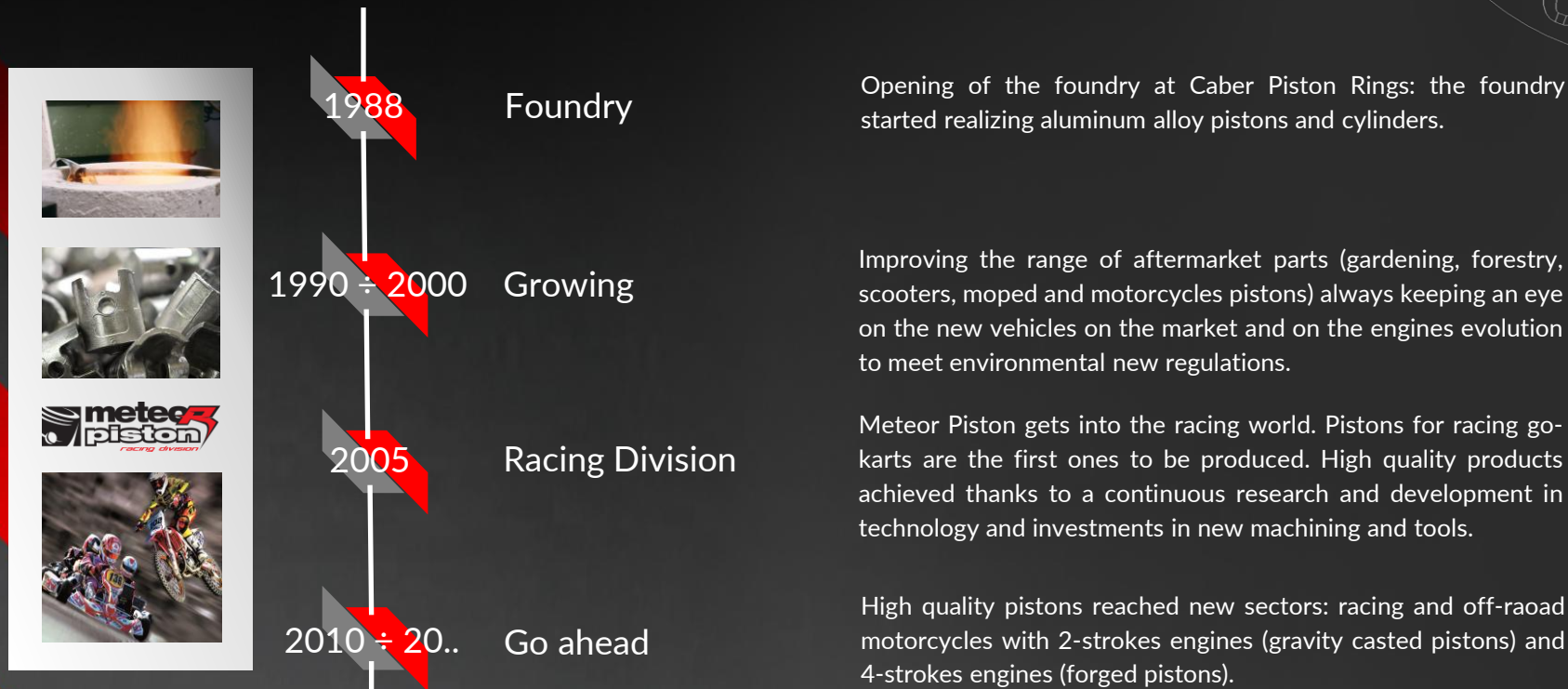
Thanks to the high quality and the reliability of his production Meteor Piston achieves the status of OEM supplier for the most important Italian chainsaws makers.

1985

Acquisition of Caber

Meteor Piston acquires Caber Piston Rings, manufacturer of piston rings and Meteor Piston's supplier.

OUR HISTORY MILESTONES



OUR GROUP *TODAY*

Today METEOR PISTON and CABER PISTON RINGS keep investing and upgrading all processes with the aim of achieving **new frontiers** in the pistons and rings development and providing to customers the last **design, technologies** and **solutions** for new concepts and products.

OEM RANGE

Pistons are today produced as original equipment manufacturer for very well known brands in Motorcycle, Kart, Moped and Scooter applications as:

- FANTIC MOTOR
- BETAMOTOR
- RIEJU
- OTK GROUP
- IAME
- POLINI
- ATHENA



SPARE PARTS RANGE

Complete offer of aftermarket parts for a wide range of applications:

- Scooters & Mopeds
- Vintage motorcycles
- Off-road & Racing motorcycles
- Marine engines
- Compressors
- Go-Karts
- Construction
- Agriculture
- Aviation engines
- Gardening & Forestry



CUSTOMIZED PROJECTS

R&D, testing, innovation, technical consulting and tailor-made piston projects developed on customer needs and specifications.



OUR *P*RODUCTION SITES

Our challenge has always been to take our technologies one step further to ensure the **best high-quality products** to our customers. Our process is **entirely carried out internally**. We only select the best in terms of technology, components and technical partners.



RIVOLI (TO) – ITALY

Area:

- 2.500 m² workshop/offices
- 5.000 m² external area

Production:

- Foundry
- Piston rings, seal rings



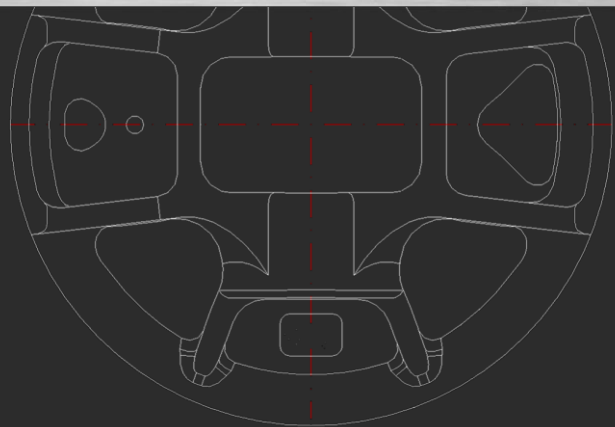
BARANZATE (MI) – ITALY

Area:

- 1.250 m² workshop/offices
- 2.500 m² external area

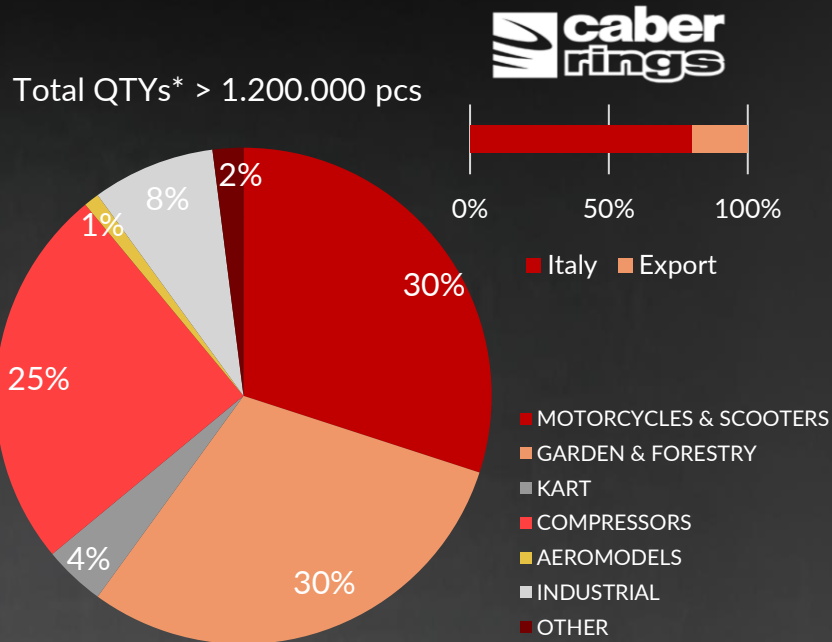
Production:

- 2-strokes piston machining
- 4-strokes piston machining



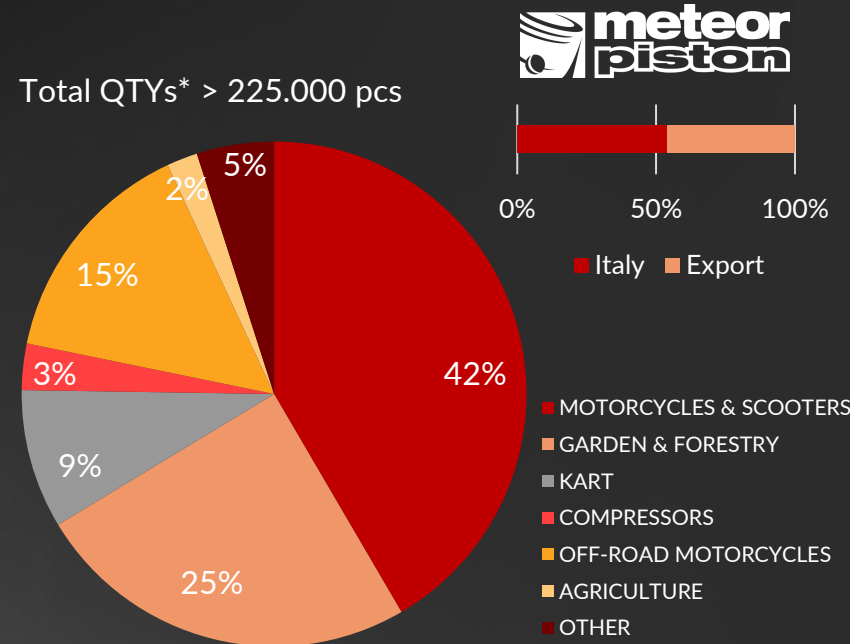
MARKET & APPLICATIONS

GLOBAL SALES



* Results 2023

METEOR PISTON – COMPANY GROUP PROFILE



Contents, images and technical characteristics are for the exclusive use of Meteor Piston

MARKETS & APPLICATIONS

SCOOTERS & MOTORCYCLES



Piston kits and tuning kits for 2-strokes and 4-strokes scooters, mopeds, mofas, motorcycles and minimotos. Piston kits and modifications for racing track bikes and racing scooters.

OFF-ROAD MOTORCYCLES



Piston kits for off-road and dualsport motorcycles: enduro, motard, MX, trial, mini-cross, ATVs and quads. 2-strokes gravity casted solutions and 2-strokes or 4-strokes forged solutions.

GO-KARTS



Pistons kits for all Go-Kart categories: Mini-Go-Karts, KF Go-Karts, KZ Go-Karts, Superkarts and TAG.

MARINE ENGINES



Piston kits and rings for seascooters, jet skis and outboard engines.

MARKETS & APPLICATIONS

FLYING ENGINES



Piston kits and rings for aircraft model engines, PPC or PPG paramotors, ultralight aviation, UAVs and UASs, light helicopters.

VINTAGE MOTORCYCLES



Piston kits and tuning kits for vintage bikes: Lambretta, Vespa, Piaggio, Sachs, Zundapp, Tomos, Moto Guzzi... Piston kits for vintage racing track bikes.

GARDENING & FORESTRY



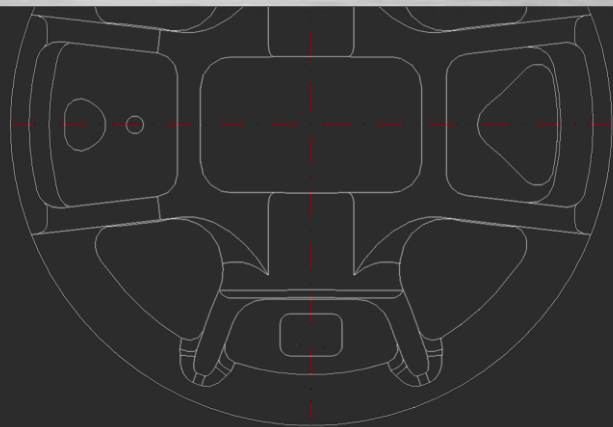
Piston kits, cylinders and rings for chainsaws, sprayers, brush cutters, mist blowers and small 2-strokes agricultural engines.

Pistons and rings for cut-off saws, concrete saws, jackhammers.

COMPRESSORS



Pistons and rings for compressors: air conditioning and refrigeration, air, sanding braking systems for trains, high pressure breathing air, technical gasses and CNG compressors, dental compressors.



PRODUCT RANGE

OUR *P*RODUCTS

PISTONS

Aluminum alloy pistons, gravity casted or forged from 30 to 130 mm nominal diameter.

Aluminium alloys (casted):

- 12% Silicon
- 18% Silicon
- 21% Silicon

Aluminium alloys (forged):

- 2618 Cu alloy
- 4032 Si Al alloy

Surface treatments: oxydation, molybdenum disulphide coating, screen-printing, tin plating, ...

PISTON RINGS

Cast iron piston rings from 20 to 150 mm nominal diameter.

Row materials:

- Grey cast iron
- IKA cast iron
- F cast iron
- Spheroidal cast iron

Surface treatments: hard chrome coating, manganese phosphate, ...

Joint solutions: butt, hook, internal or external notch, overlapped, gast tight, ...

CYLINDERS

Aluminum alloy (10% Silicon alloy) cylinders, gravity casted from 35 to 95 mm nominal diameter.

COMPONENTS

With our kits we supply high quality components to ensure the maximum performances:

- Steel piston rings
- PVD piston rings and pins
- Chrome piston rings
- High-performance roller cages
- ...

OUR *P*RODUCTS



Wide range of 2-strokes casted or forged piston kits and 4-strokes casted or forged piston kits suitable for the engines of the main scooter, moped, motorcycle, minimoto, quad and ATV manufacturers:, Aprilia, Betamotor, Fantic Motor, Gas Gas, Kawasaki, KTM, Honda, Husqvarna, Piaggio, Polini, Royal Enfield, Suzuki, TM, Yamaha...



Complete range of 2-strokes and 4-strokes casted or forged piston kits suitable for the engines of the most important kart designers and manufacturers: IAME, Lenzo Kart, OTK Group, TM, ...



2-strokes casted piston kits for dedicated and special applications: compressors, marine engines, aircraft engines, aeromodels, UAVs, ...

Complete range of 2-strokes casted piston kits and complete cylinder kits suitable for the engines of the main gardening, forestry, agriculture and construction tools manufacturers: Stihl, Husqvarna, Oleo Mac, ...

Complete offer of piston rings and seal rings for a wide range of applications: internal combustion engines, compressors, hydraulic actuators, industrial engines, ...

OUR *P*RODUCTS

We are ready to listen to our customers' needs to create **tailor-made solutions**: completely new project or upgrade / problem solving / customization of existing products. We can develop exclusive pistons upon customers' specifications for many applications, thanks to our **70 years of experience** and our **process flexibility**.

You ask and we listen to you: markets are constantly changing and new evolutions never stop. Every day our customers face new challenges and ask for help in turning their ideas into reality: in case of pistons and rings for brand new engines, technical upgrades for improved performance, problems solving, quality spare parts alternative to low-cost parts... we have **experience and skills** to find the best technical solution.

It's not just a new part we make. Research for a new project always involves the best technical solution to reach the expected performance. Whenever the result of our analysis shows that a new processing, a new technology, a new raw material or a new coating would be preferable, we work out the technical solution and optimize all possible investments and research to get it done.

From costs and feasibility analysis, through prototyping, 3D engineering, FEM analysis and mold construction, the full process is **developed in house** until the end-product delivery.



RACING *DIVISION*

Since 2005 METEOR PISTON Racing Division works hard to offer **technical answers** and **innovative solutions** to the need of the finest quality standards in racing. We engineer solutions for MX, Go-Karts and motorcycle racing world.

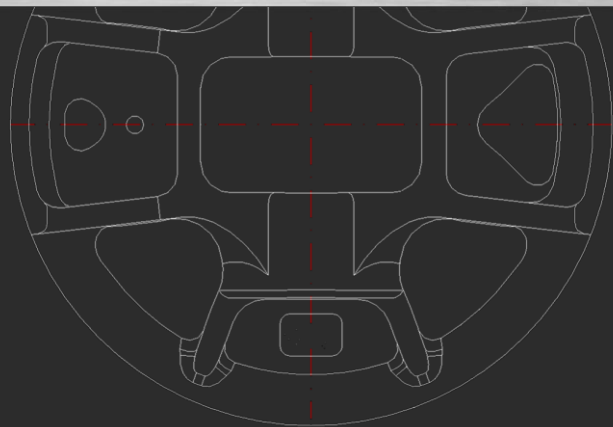


We offer **technical support**, expertise and testing to expert racing teams that are looking for something more...

We have constant testing sessions and feedbacks on our product performances in order to **optimize and keep improving** our technical solutions. We support teams competing in Off-Road, Go-Kart and Vintage racing world, bringing our products to official Championships as MXGP.

Our R&D service works in partnership with teams specialized technicians and offers solutions for **long endurance** and constant over time **high performance** pistons.





CONTACTS

CONTACT *Us*



info@meteorpiston.com

info@caberpistonrings.com



[Meteor Piston | Official Website](#)



[Facebook | Meteor Piston](#)



[Instagram | Meteor Piston](#)



[YouTube | Meteor Piston](#)