

ABOUT US

Riganti is an Italian manufacturing company specialized in hammer hot drop forging.

The company's flexible and vertically integrated production cycle serves several industrial applications by providing a wide range of components of different shapes, steel grades (carbon steel to nickel alloys) and sizes from 15 kgs (33 lbs) to about 1,500 kgs (3,300 lbs).

All items can be supplied forged, heat treated, pre- or fully machined, painted to customers' specifications and ready for assembly and can be certified by the most important international bodies.

Riganti focuses on small and medium series of forgings relying on well rooted expertise in counter blow hammer technology.

Founded in 1891, the company has been run by the same family ever since and has grown to become a leading European forging master well positioned on domestic and global markets, and is regarded as a valued and trusted supplier to

main OEM's. Being a family business, a short and fast decision-making process ensures that Riganti meets the challenges of a rapidly changing market in terms of both products and services offered.

Quality is the main value that drives the whole organization at Riganti. Its quality management system was first implemented in the early 80's and has since been developed to become a fully integrated OEHS certified system as per EN 9100, ISO 9001, ISO 14001, BS OHSAS 18001 standards.

MISSION STATEMENT.

To pursue innovation based on our long accomplished history, combining the flexibility of a craftsmanlike production with a state-of-the-art technological know how of a modern manufacturing enterprise.

We like to continue to offer the best of both worlds: the working mind of the craftsman, and the cutting edge technology of a modern manufacturing enterprise.



Qualified for aviator, aerospace and defence system: EN ISO 9100:2009



Qualified Quality System: ISO 9001:2008



Qualified Environmental System: ISO 14001:2004



Qualified Health and Safety System: BS OHSAS 18001:2007





Oil and Gas

We supply the main valve manufacturers worldwide with components such as gate (1" to 7") and choke (1" to 6") valve bodies, ball valves up to 14", closures up to 12" and fittings. Our production is devoted mainly to subsea and surface wellhead applications featuring closed die forgings from 15 to 1,500 kgs from carbon to alloy steel, stainless steel and nickel alloys.



Earthmovers

For decades we have been suppliers to a large number of international OEM of forging components for construction and mining equipment as well as for agricultural machines, providing yokes, spindles, undercarriage parts (idlers, sprockets and hubs), axles, links, knuckles, crane hooks, some also finish machined, painted and ready for assembly.



Railways and Transportation

We serve the transportation and railways business with closed die forgings that allow a higher performance for components like draw hooks, disk brakes, buffers, support arms. Riganti is a qualified supplier of Trenitalia and Deutsche Bahn.



Industrial Engines

We supply components for the industrial engine and compressor manufacturers such as connecting rods (max length 1,900 mm and 900 kgs weight), crankshafts up to 1,800 mm length, from 15 to 700 kgs weight, camshafts from 500 to 1,500 mm length and up to 300 kgs weight, pump heads and piston bodies up to 600 mm Ø and 500 kgs weight.

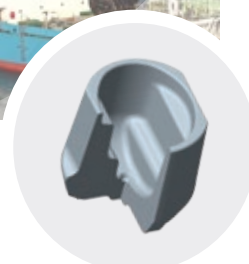
INDUSTRY SERVED

Riganti wide range of forgings encompasses all the main mechanical fields.



Gears

A large share of our production covers components for transmission systems and gear boxes used in mobile machinery, railways and wind energy applications, among which shafts, pinions up to 750 mm in height and 600 kgs weight, wheels up to 1000 mm Ø and weights up to 800 kgs in a wide range of shapes and in high-performance steel grades.



Marine Industry

We supply the main international marine manufacturers with large connecting rods, piston heads up to 1,000 mm Ø and 800 kgs weight, piston bodies, camshafts, crankpins and crankpin rings up to 1,000 mm Ø and 800 kgs weight and rocker arms.



Food and Chemicals

Separators and decanters are widely used for centrifugal technology in the food and chemical industries. For those applications we have achieved high standards in forging and finish machining of bowl bodies, bowl hoods, sliding bowl bottoms in different stainless steel grades (martensitic, austenitic, duplex and superduplex) and weights up to 900 kgs.



Aerospace

As qualified supplier, we produce critical components in high performance remelted steel for leading aerospace companies. Since 2013 our integrated quality system has been certified according to EN 9100: 2009 Aerospace standards.

FACILITIES

Offices and production are located in two different plants in Solbiate Arno, Italy, for a total surface of 48,400 sq meters.

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Die manufacturing

Riganti features a in-house die sinking capability utilizing CAD-CAM technology. For specific needs the forging and tooling design is supported by a simulation software operated by our skilled engineering team. More than 3,000 dies are presently stored in our covered vertical warehouse.



Cutting

Cutting shop is directly connected to raw material warehouse where square (section up to 400 mm) and round bars (section up to 500 mm) are stored and tagged upon delivery to Riganti for traceability purposes. The shop maintains 12 saw belt machines, two of them feature pulse cutting CNC system.



Forging

The forging shop is comprised of 8 counterblow hammer lines (from 10,000 to 40,000 Kgm) and 1 mechanical press line (2,500 Tons). All the forging lines are equipped with heating furnaces, preforming hammers, presses and trimming machines.



Heat treatment

The heat treatment shop is equipped with 2 electric furnaces, 3 gas and cone furnaces with water and aquaquench tanks. Carbon and stainless steel can be heat treated according to the main international technical standards (ASM 2750 rev. E, API 6A ed. 20 Annex M, API 6D Ed. 24 Annex F, ASTM A991/A991 M-10, NORSOK M650 Ed. 4).



Finishing, NDT and painting

Shot blasting and grinding can be performed in-house as well as the main NDT techniques, UT, MT, PT, VT as per ASNT/ISO 9712. Painting equipment comprising a water screen spray booth with drying system is also installed to offer an additional service to our customers.



Machining

State-of-the-art machining equipment comprising CNC vertical/horizontal lathes, milling machines and integrated machining centers allow the company to cover the entire value chain supplying products premachined or machine-finished starting from forged components or raw material.

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