Die Forging Facility

Forging since 1989

M.E.G.A. die forging facility is located in Via Provinciale SNC, 24040 Lallio, Bergamo (Italy), which is about 50 km far from Milan and just 6 km far from Orio al Serio (BGY) airport.

M.E.G.A. die forging facility started its activity in 1989, under the name ISMA, thanks to a group of people with strong passion in die forging activities.

In 1999 M.E.G.A.’s actual General Manager, Dr. Massimo Angeretti, became the leader of the society, and in early 2005 he decided to have it incorporated in his family company M.E.G. A.

Giving shape to ideas

M.E.G.A. die forging facility is capable of forging fittings, self reinforcing branch outlets, nozzles and many other products, which may be supplied to the Customer “as forged” or machined in M.E.G.A. machining facility.

The manufacturing process consists of closed die forging carbon and alloy steels, stainless steels, ferritic/austenitic steel; and nickel, copper, molybdenum, aluminum and titanium alloys, with weight up to 15 kg and dimension up to 6 inches.

M.E.G.A. has its own department for the design and machining of dies, which allows the Company to satisfy also the strictest Customers requirement.

High technology presses, controlled by fixed and portable pyrometers, can forge fittings according to ASME B16.11, MSS SP97, MSS SP73 and BS399.

M.E.G.A. die forging department is certified according to

- ISO 9001:2008
- ASME NCA-3800
- AD 2000-Merkblatt W0 / TRD 100
- KTA 3201.1 Section 2.4
- Pressure equipment directive 97/23/EC (PED)

“Because we believe in quality”

M.E.G.A. may provide products certified according to Norsok M-650
Manufacturing equipment

We believe that high technology can lead to high quality, and we are constantly improving our manufacturing equipment.

- 1 Inox steel sandblasting equipment up to 1000 kg
- 1 Die-sinking electrical discharge machining, tank dimensions: 1000x600x600 mm²
- C.N.C. machining center, 3 axis, X=800 Y=400 Z=500
- 1 Mechanical Press 1000 T
- 2 Mechanical Presses 1600 T
- 1 Mechanical Press 2500 T
- 4 Methane furnaces from 600,000 to 1,200,000 kcal
- 2 Induction heating furnace from 600 to 800 kW
- 6 shearing machine from 250 to 350 T
- 1 Cold shearing machine up to 6400 mm²
- 1 Carbon steel sandblasting equipment up to 2000 kg

Quality control

M.E.G.A. die forging facility implemented a Quality Management System certified according to ISO 9001:2008, and an accredited Quality system Program in compliance with ASME NCA-3800.

The implemented systems allow complete traceability from raw material (billets) up to the forged product.

Before being cut and forged, raw material is subject to Positive Material Identification (PMI) to verify its correspondence to the EN 10204 3.1 certificate issued by the steel mill. If compliant, each piece of raw material is then identified with our internal code number, allowing full traceability to the certificate of the material.

During the manufacturing the identification code is transferred to the finished products.

Our operators control the forging temperature using portable pyrometers, furnace fixed pyrometers and furnace thermocouples.

After forging, the products are visually and dimensionally checked to verify that all requirements are met.

NDE examination (UT, PT and MT) may also be carried out.
We make more than fittings

For about 50 years, M.E.G.A. has been providing the highest quality piping component all over the world.

We continuously invest in technology, always looking for state-of-the-art machining centers. This allows us to specialize in machining a wide range of products and materials. In our three manufacturing units, we manufacture not only Standard Catalogue products, but also products according to Customer drawings.

Product quality is our business

Our integrated, state-of-the-art manufacturing facility allows M.E.G.A. to develop products at the highest volume, all displaying the same consistent quality.

The tight control we maintain over our manufacturing process has earned M.E.G.A. Quality Management System the ISO 9001:2008 certification and the ASME NCA-3800 accreditation.

M.E.G.A. is the key supplier for power, oil, chemical, submarine and nuclear industries throughout the world.