



METALMECCANICA
LOMBARDA

Metalmeccanica Lombarda

HOTMATIC PRECISION FORGINGS: Introduction to the product range and capacity of Hatebur lines.

Address	V. Marconi 15 – 28017 – S Maurizio d'Opaglio (NO)
Country	Italy
Tel.	0039 031 6591
E-mail	Nicoletta.vismara@featgroup.com
Internet	www.featgroup.com



The plants

The facilities cover an area of 15000 square meters.



Hotmatic parts are shaped in closed dies. So they have no external flash. Nor do they normally have any draft, either. The surface is much smoother than that of conventional forgings, structure is ideal and mechanical properties excellent. As for accuracy: tolerances of ± 0.3 mm (.012 in) in continuous operation are nothing out of the ordinary. Machining allowances generally amount to only 1 mm (.040 in) per side. Even complicated parts are forged so close to their final shape that finish machining can be done with a single cut per surface.

On top of all that, Hotmatic parts are much lower in cost. No other production process can come close to them when all cost factors are considered.

The raw material, hot-rolled, unannealed bars, is practically the least expensive bar stock which can be used for forming parts. And Hotmatics use it very sparingly indeed. They need about 25% less metal than a conventional forging press to make a given part.

Automatic high-speed operation—80 or 100 parts a minute—cuts direct production and labor costs drastically. In addition, tool costs per part are only half those for conventional closed-die forging.

Machining costs are low because the parts are forged to closer tolerances. Some secondary operations and related handling can be eliminated.

Finally, rejects are sharply reduced in comparison with conventional processes as a result of the Hotmatic's fully automatic operation.



Profile



Metalmeccanica is a business unit of FEAT GROUP.

- Feat Group work in the field of hot drop forging and is strategic supplier of trade-marks such as: JCB, Volvo, Caterpillar and the main valves OEM.
- Feat Group management offer excellent performances ! As far as the production, technical know-how, commercial and logistics are concerned.

Metalmeccanica specialize in the precision forging process by means of HATEBUR HOTMATIC.

- The Company distinguishes itself thanks to the high technology of its automated processes and high forging speed.
- After important investments Metalmeccanica is now equipped for doubling its productivity.
- The production capacity is based on 2 Horizontal Presses: AMP30S and AMP50XL.
- Presently dealing with Hatebur to introduce extrusion on AMP 50XL to allow forging of longer parts.

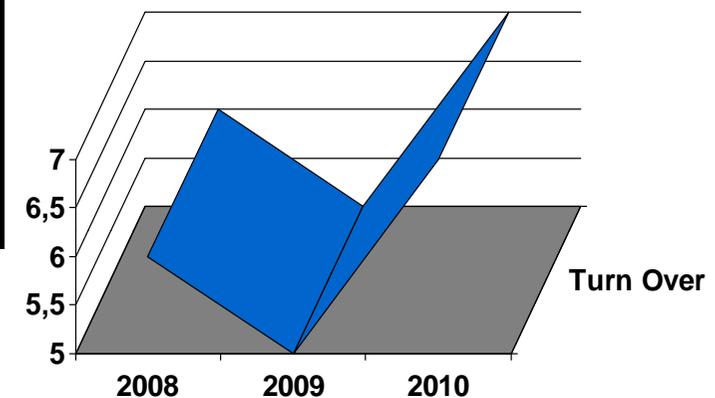


Company



Last 5 years investment	10 ml euro
Turnover / Group Turnover	6 / 70 ml euro
Main Customer locations	Germany, Italy, USA.
New product lead time	40 working days
Delivery on time	99%
Product liability	ace europe 8 ml. euro
Laboratory	Feat Group central Lab.

ISO 9001:2000 certified.



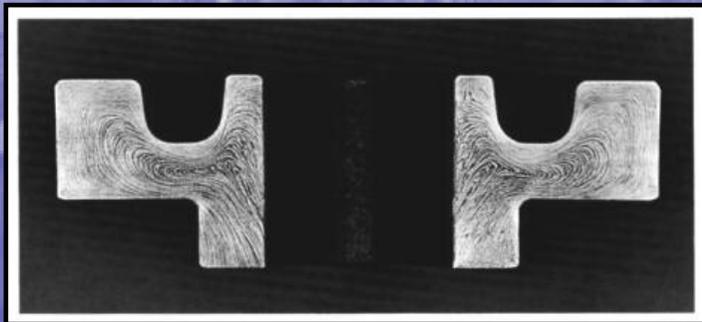
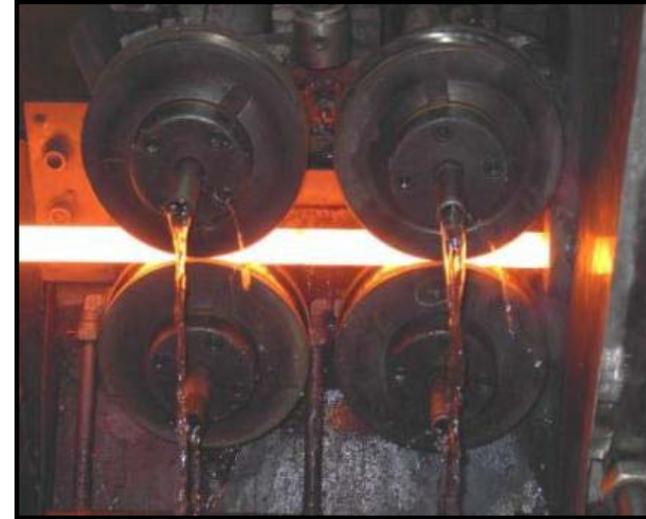
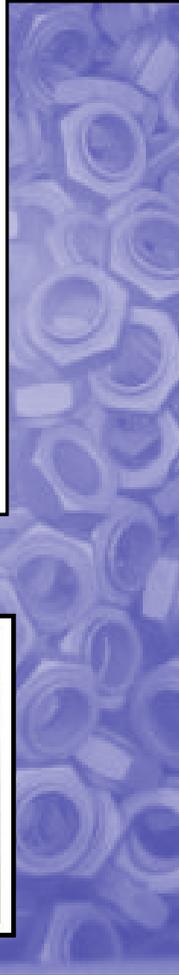
President	Lino Cogo
Director	Giuseppe Cogo
Quality	Vittorio Spinelli
Commercial	Nicoletta Vismara

We are equipped to **double** our production which currently exceeds 10 millions pieces per year.

Products range

- Standard and special Nuts, Rings, Pipe Unions, Joints, Gears, Ring Nut and **axial-symmetric parts**
- Production of customized piece
- Bulks production of forged pieces (with and without machining)
- Weights from 50 grams to 2000 grams
- Diameters up to 105mm
- Weight up to 5000 grams and diameters up to 170mm thanks to a production partnership
- Heat treatment and surface treatment

Hatebur AMP 30S



Hatebur AMP 30S



Hatebur AMP 30S (technical data)

Material	Carbon, Med-alloy Steel
Piece Weight	50 – 700 g
Piece max diameter	67 mm
Piece max height	12 – 40 mm
Forging stations	3
Press power	2500 kN (250 t)
Pieces / minute	85 - 140



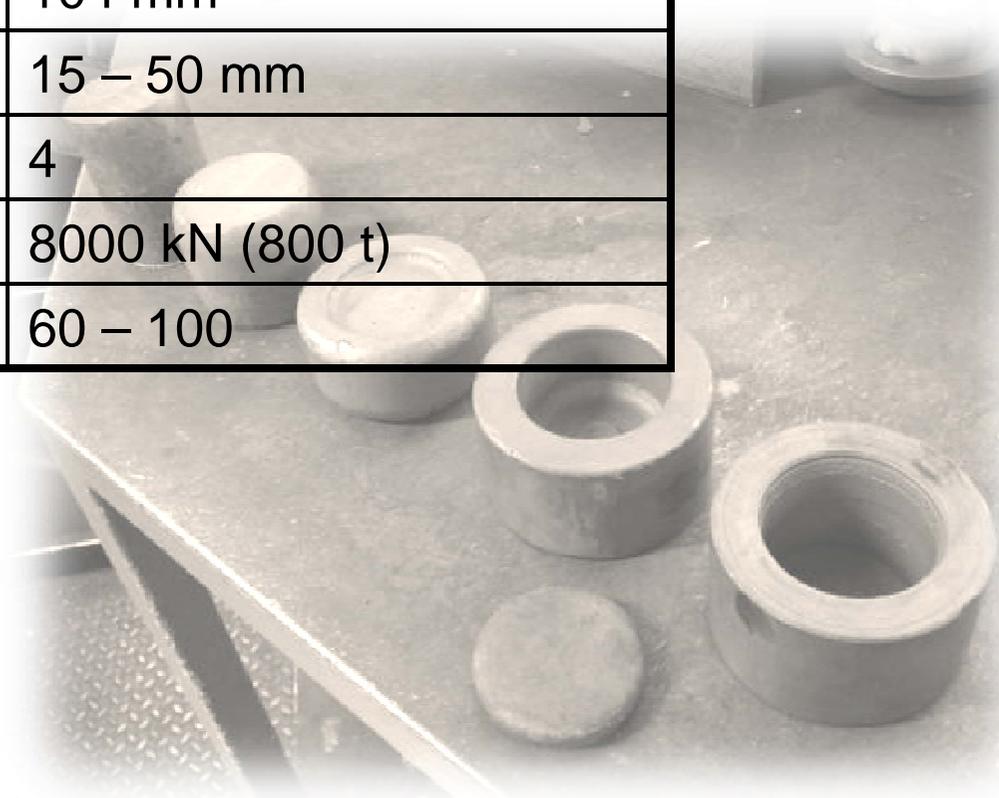
Hatebur AMP 50 XL

In Line Controlled Cooling



Hatebur AMP 50XL (Technical data)

Material	Carbon Med-Alloy Steel
Piece Weight	0,170 – 2 kg
Piece max diameter	104 mm
Piece max height	15 – 50 mm
Forging stations	4
Press power	8000 kN (800 t)
Pieces / minute	60 – 100





Raw material stock



Carbon steel and alloy laminated
or peeled bars

Principal steel mill supplier

Lucchini S.p.A.	Italy
Riva acciaio	Italy/Germany



Cogeneration plant.

Electric power is fully supplied by internal plants



Engineering, tooling, and high precision machining operations.

In a sole software solution: we plan and design, forward the orders to the tooling dept, and manage the store section.

