

FPM

G R O U P



PLANTS FOR FORGING AND STAMPING OF METALS

www.fpmgroup.it



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MANUFACTURING AND OVERHAULING OF METAL FORGING PRESSES AND PLANTS

Located in the heart of the Lombardy production district, **for more than 35 years** we have been manufacturing and overhauling presses and complete plants for hot forging and cold stamping of metal.

FPM was one of the first companies in the sector to believe in automation as a fundamental element in the forging process, growing and innovating year after year with the aid of the most advanced technologies.

The knowledge of the machinery, qualification of our technicians and the experience of our managers in the forging field allow us to design the most suitable technical and cost-effective solutions for your production needs.

New machinery

Design and building of new machinery and production lines

Overhauling of used machinery with warranty

Complete overhauling and upgrading of used machinery of all makes and models

Complete production plants

Design, production/integration of machinery, installation and start-up of complete production lines

After-sales, servicing and spare parts

Sale and assistance of new or reconditioned spare parts of all major brands

Our history



1986. THE BEGINNING

Eugenio Faini, a mechanics enthusiast, decides to open a company to overhaul presses.



1992. FOREIGN MARKETS

The company participates in international trade fairs and exports to Europe and world markets such as South Korea, Thailand, India, USA, etc.



1997. EXPANSION

A new industrial facility of 22,000 sqm is built, of which about 10,000 sqm are roofed.

What we do

- Friction screw presses
- Mechanical, hydraulic and knuckle-joint presses
- Furnaces for complete or partial heating and heat treatment
- Electrical upsetting machines
- Automation and robots
- Sheet metal feeding lines for presses
- Sawing machines, shears, graphite coating machines, shot blasting machines



2001. FARM BRASS

The company acquires expertise in heating furnaces for the hot forging of brass and for the heat treatment of brass, aluminium and steel.



2013. AUTOMATION

25 years after the group was founded, the headquarters are expanded with a new building and a fully-automated warehouse.



2019. PARTICIPATION IN FTB

The company expands its business to include contract machining and the production of electrical upsetting machines.

Design and building of **new machinery**

for hot and cold forging of metal

Forty years of experience in overhauling used machinery produced by the best known brands in the field has enabled us **to accumulate a huge wealth of technical know-how**, experimenting with alternative production solutions.

Today, this experience allows us to create even more efficient and reliable machines and production lines.

Each new machine is designed and engineered according to the specific needs of the customer, because we believe that finding the most suitable and cost-effective production process is an important added value for the success of both.





FRICTION SCREW PRESSES
for hot forging of metal



**MECHANICAL PRESSES FOR
HOT FORGING** of metal



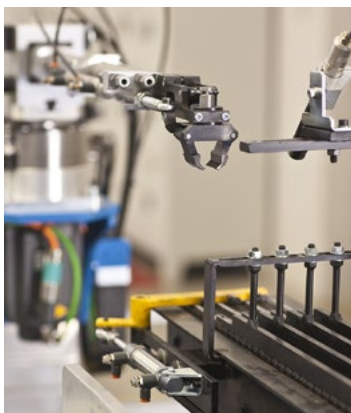
**MECHANICAL PRESSES FOR
COLD STAMPING** of metal



HYDRAULIC PRESSES
Preforming, forging and hot or
cold deburring



**LOADING AND UNLOADING
AUTOMATED ROBOTIC
SYSTEMS**



**ROTATIVE OR LINEAR LOADING
AND UNLOADING AUTOMATED
SYSTEMS**



AUTOMATIC FURNACES
Farm Brass furnaces (electric,
gas, induction) for billet heating
and heat treatment



**ELECTRIC UPSETTING
MACHINES**
Metal heating and preforming
systems in a single machine

Used machinery overhauled as new

Used machinery can be inspected in the FPM warehouse in working conditions or can be completely overhauled for integration into modern production lines.

All used machinery is **fully modernized and brought up to the latest safety standards.**



Dismantling/inspection



Complete overhaul



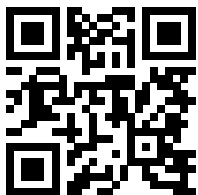
Adaptation to standards



Test

ARE YOU LOOKING FOR A USED MACHINE THAT NEEDS TO BE OVERHAULED?

www.presseusate.com



BEFORE



AFTER

Why choose a used rebuilt machine?

We have deep knowledge of the characteristics, differences and special features of the **machines of each major manufacturer in this market.**

A professional overhaul is able to restore a machine **to its original operating conditions and give it a new lease of life.**

QUALITY/PRICE

An overhauled machine is as good as new, but **can cost up to 50% less!**

PERFORMANCE

Not just restoring initial functionality, but incorporating technological innovations found in newer products to meet new production standards.

SAFETY

Dismantling, mechanical inspection, replacement of worn parts and retrofitting to the highest CE safety standards.

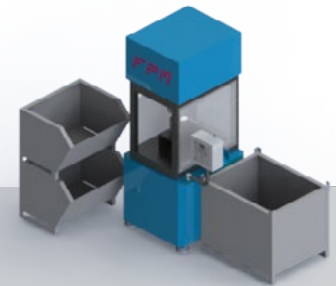
“A machine overhauled by FPM is on a par with a new machine in terms of reliability and functionality.”

Complete **brass** forging lines

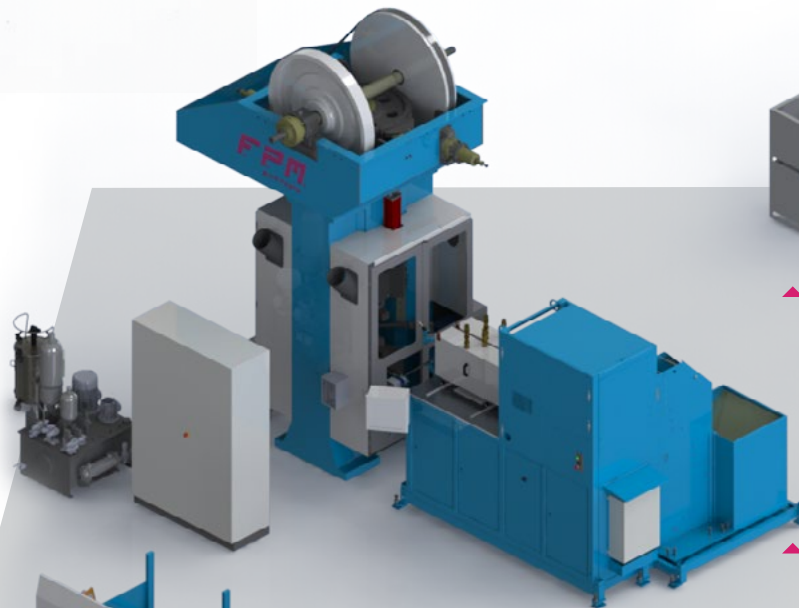


The design of **new plants for hot forging of brass and copper** alloys starts from the feasibility study, passing through the engineering of the production process, the production and integration of all the machines that make up the plant, up to installation and production start-up.

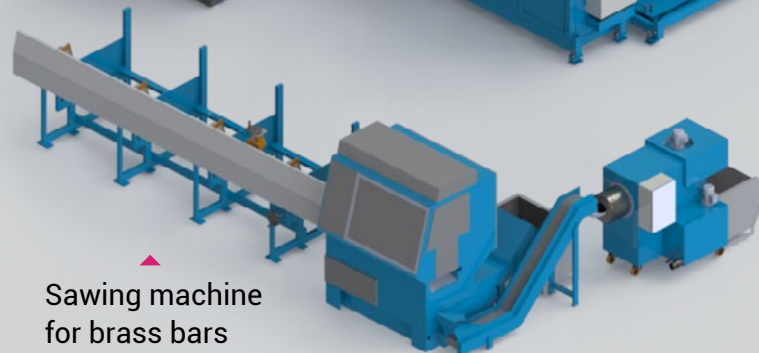
Hot forging press or friction screw press



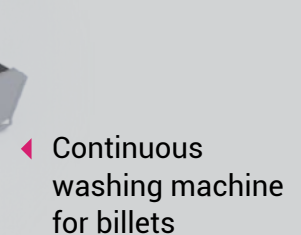
Hydraulic trimming press



Induction or gas heating furnace

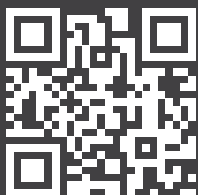


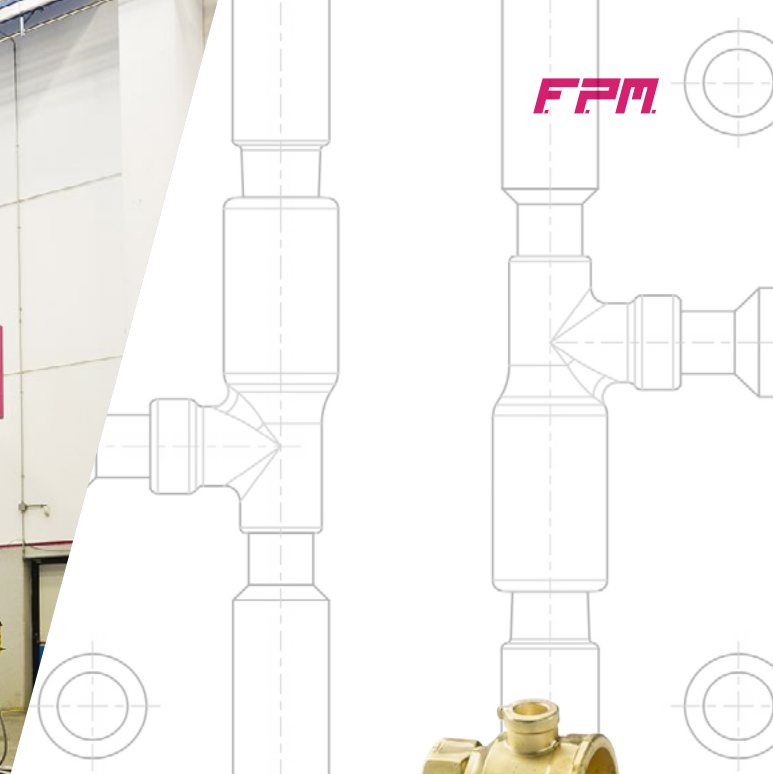
Sawing machine for brass bars



Continuous washing machine for billets

watch the video





The research and development department is driven by hands-on experience in the field of forging and stamping.

Added to this is a passion for providing production solutions that meet the manufacturing needs of each product.

FPM grants the full support of specialised personnel during all phases: from definition of the most suitable machinery, to integration, installation and production start-up.

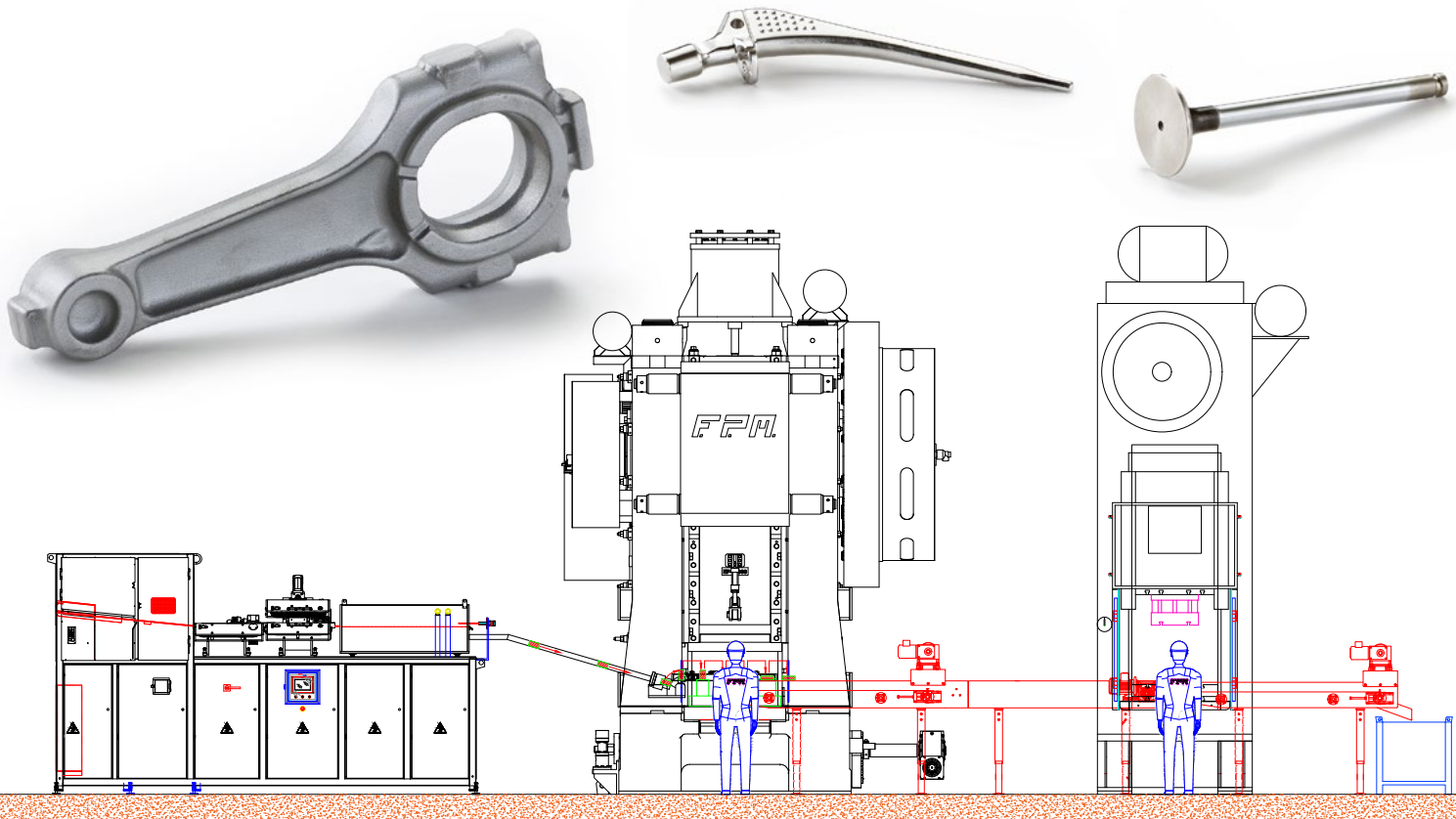


Complete **steel and titanium** forging lines

Mechanical presses and friction screw presses can be integrated into fully automated, **robot-controlled production lines** for forging steel and titanium.

Forging plants can consist of billet cutting and shearing machines, gas or induction heating furnaces, electric

upsetting machines, mechanical presses up to 6000 tons, friction screw presses up to 3000 tons, hammers, trimming and calibrating presses.



Induction or gas furnace

Press or friction screw press

Automation

Trimming press



The overhauling and modernisation of machines is combined with extensive knowledge of the processes.

To meet the production requirements of the modern steel-forging plant according to the principles of Industry 4.0

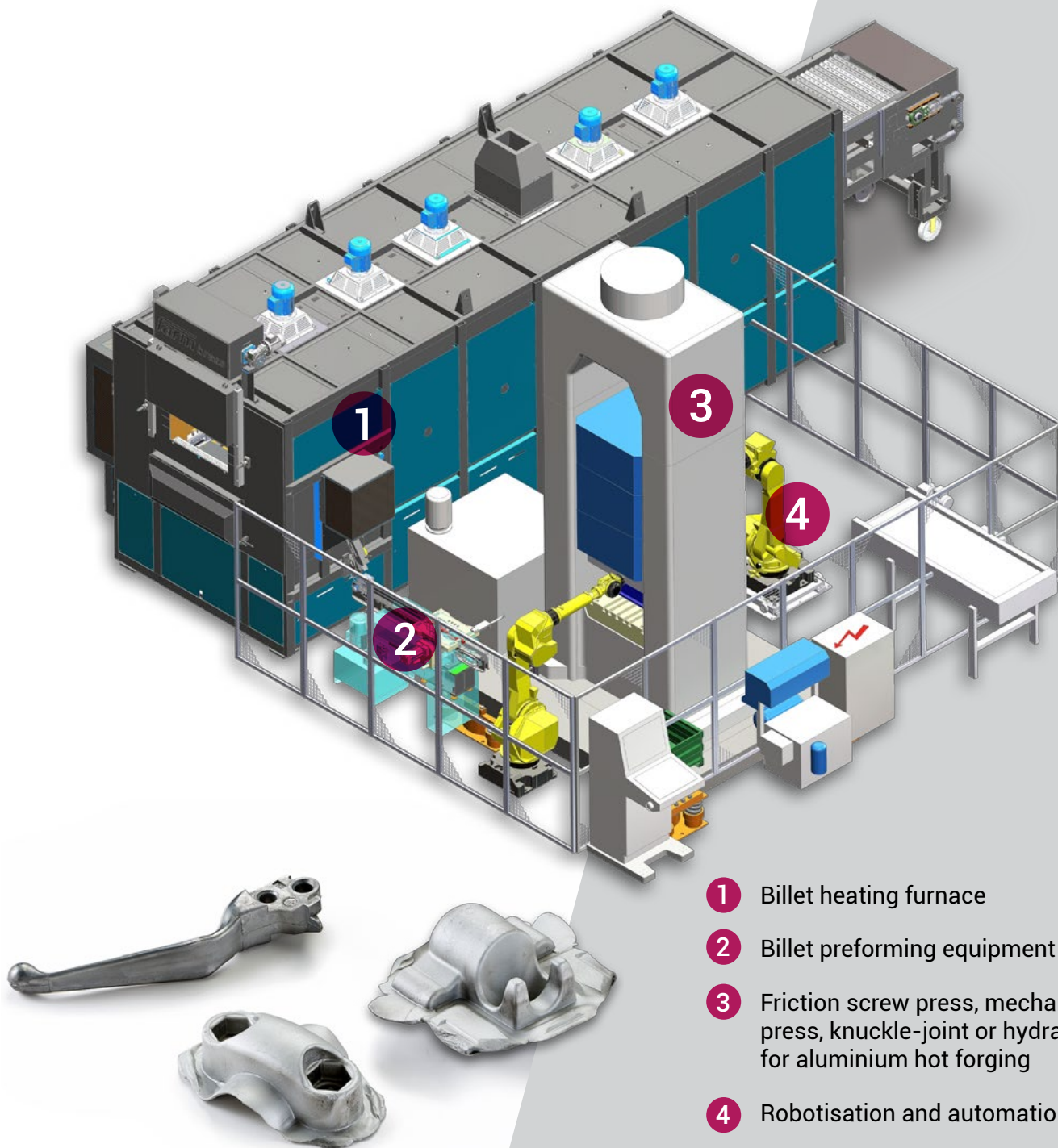


Complete lines for **aluminium** forging

In the field of hot forging of aluminium, FPM can count on consolidated experience in making or overhauling the most suitable machine for your needs, from friction screw presses, mechanical presses, knuckle-joint presses or hydraulic presses.

The forging lines cover all processes: from bar cutting to heating, from forging to trimming, from heat treatment to sandblasting.





- 1 Billet heating furnace
- 2 Billet preforming equipment
- 3 Friction screw press, mechanical press, knuckle-joint or hydraulic press for aluminium hot forging
- 4 Robotisation and automation

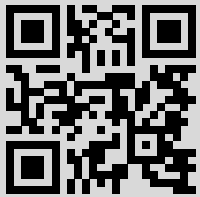
Complete lines for **sheet-metal** stamping

FPM manufactures complete lines for the cold stamping of sheet metal, **including coil or strip feeding.**

Each line can be designed to include single or double rod presses, with progressive or transfer dies, for blanking, drawing, coining and punching.



watch the video



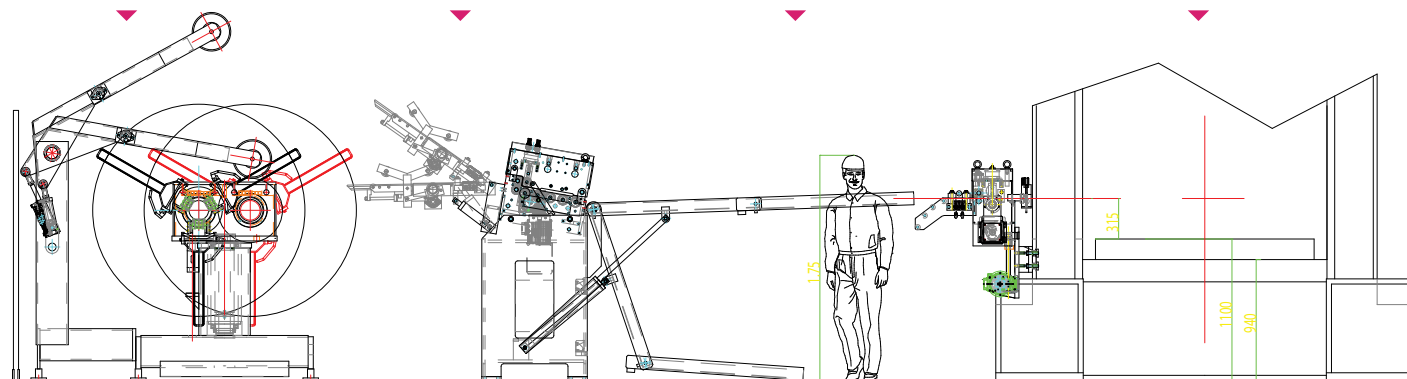


Decoiler

Straightener

Feeder

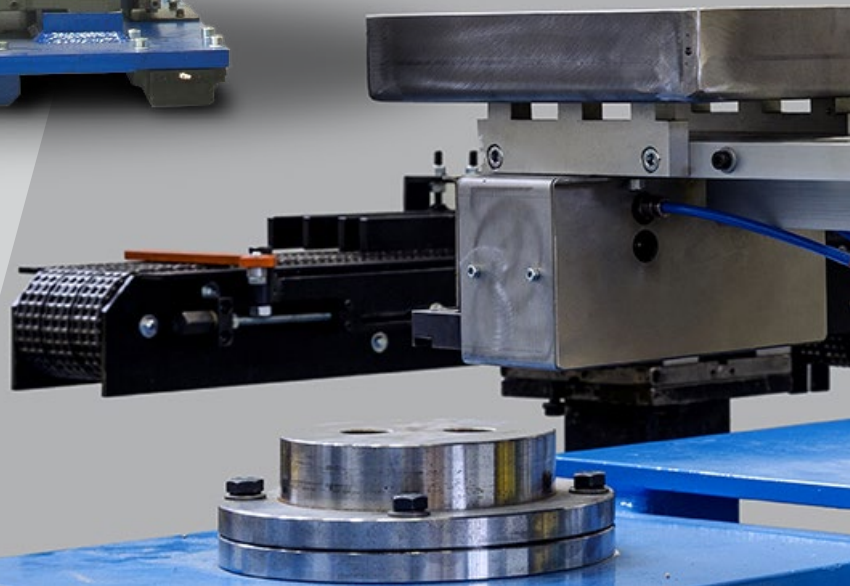
Mechanical press





*“ Automation and robotics
to boost productivity ”*

- Automatic loading and unloading systems for billets and pressed parts
- Die lubrication
- Conveying, loading and positioning
- Billet pre-forming systems



Automation and robots

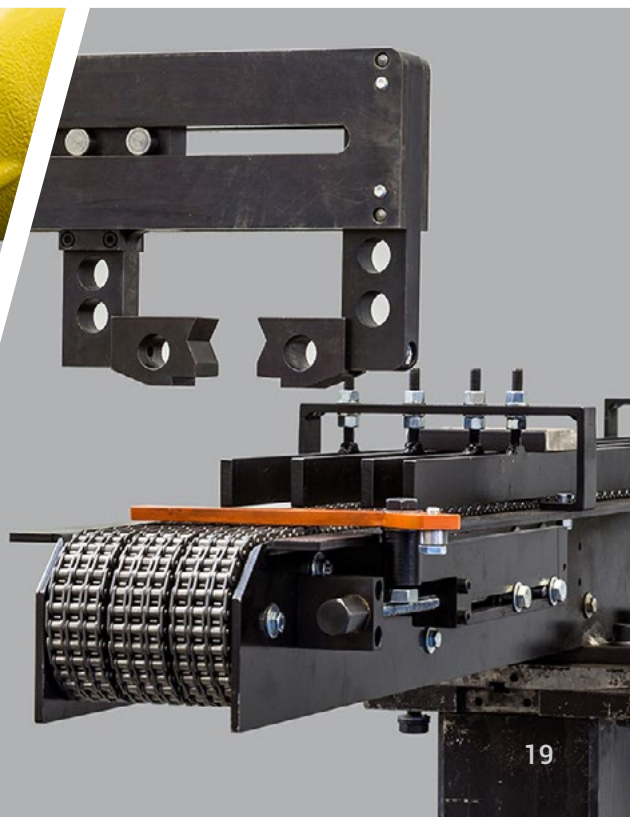
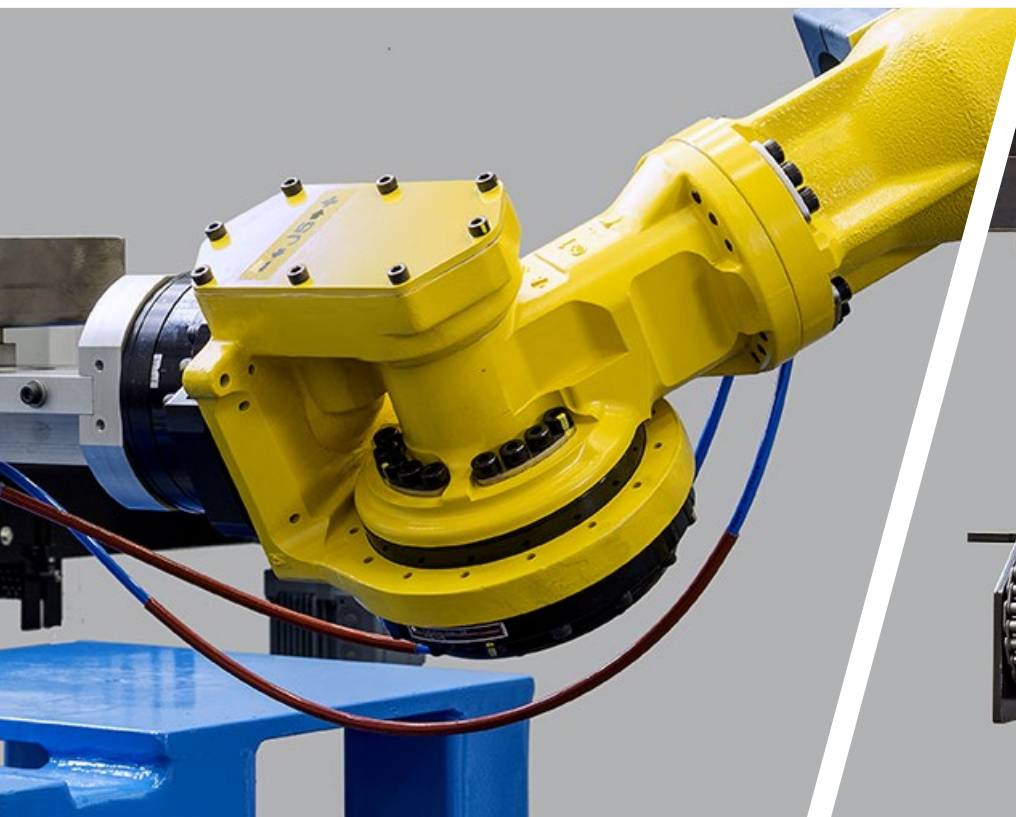
Automatic systems for innovative hot metal forging and cold stamping processes deriving from actual production requirements.

The aim is to achieve very high standards of efficiency, quality, repeatability and production profitability.

Process engineering goes hand in hand with electronic engineering,

modern **PLCs, CNCs and our own software programs.**

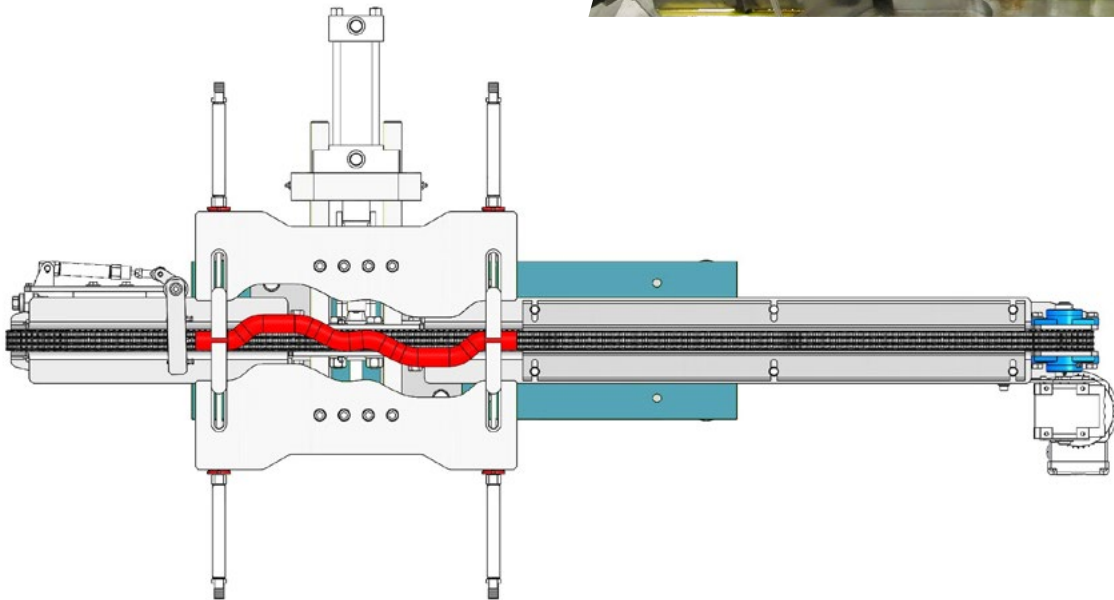
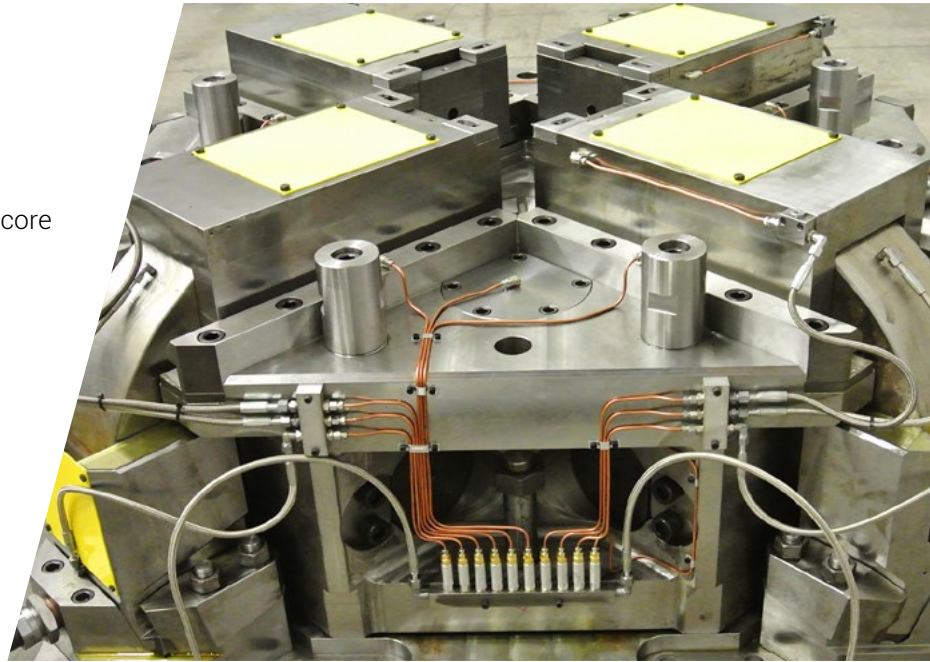
Quick installation and after-sales service guaranteed by a single provider, also for the electronics.



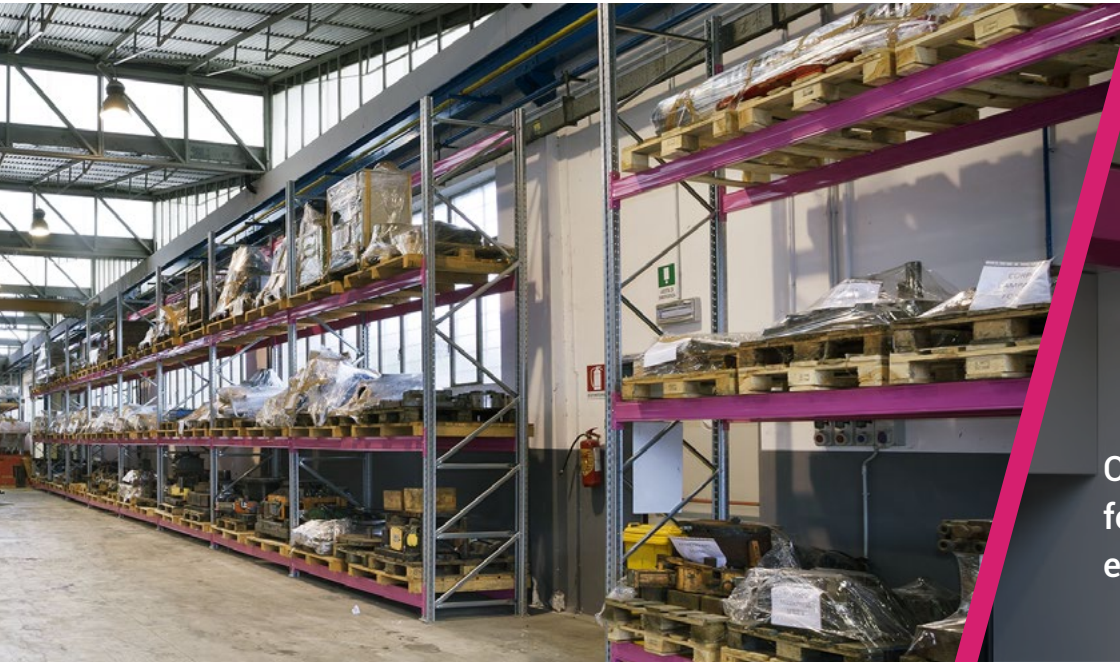
New equipment production

Design, production and overhaul of equipment:

- Cushions for mechanical presses
- "Sub-press" tools for vertical and horizontal core forging
- Customised die lubrication systems
- Mobile/tilting bolsters for bolts and screws
- Hydraulic die holders
- Forging Dies



Used parts warehouse



Original spares
for every machine,
even the oldest

2,000 sqm used spare parts warehouse

The widest range of spare parts from
all major manufacturers.

**A convenience that minimises delivery
times.**



Qualified after-sales service

A careful maintenance, the timely repair of faults and timely delivery of spare parts play a vital role in the economic return of the facilities of our customers.

In response to these needs, FPM offers a highly qualified after-sales service, run by a team of dedicated professionals, with the objective to ensure continuity of operation of our customers' plants, also through remote service via PC.

“Highly qualified after-sales service, to always guarantee continuity of operation of the facilities of customers”



The after-sale servicing for the machines we sold has the aim to quickly respond to the customers' needs in terms of:

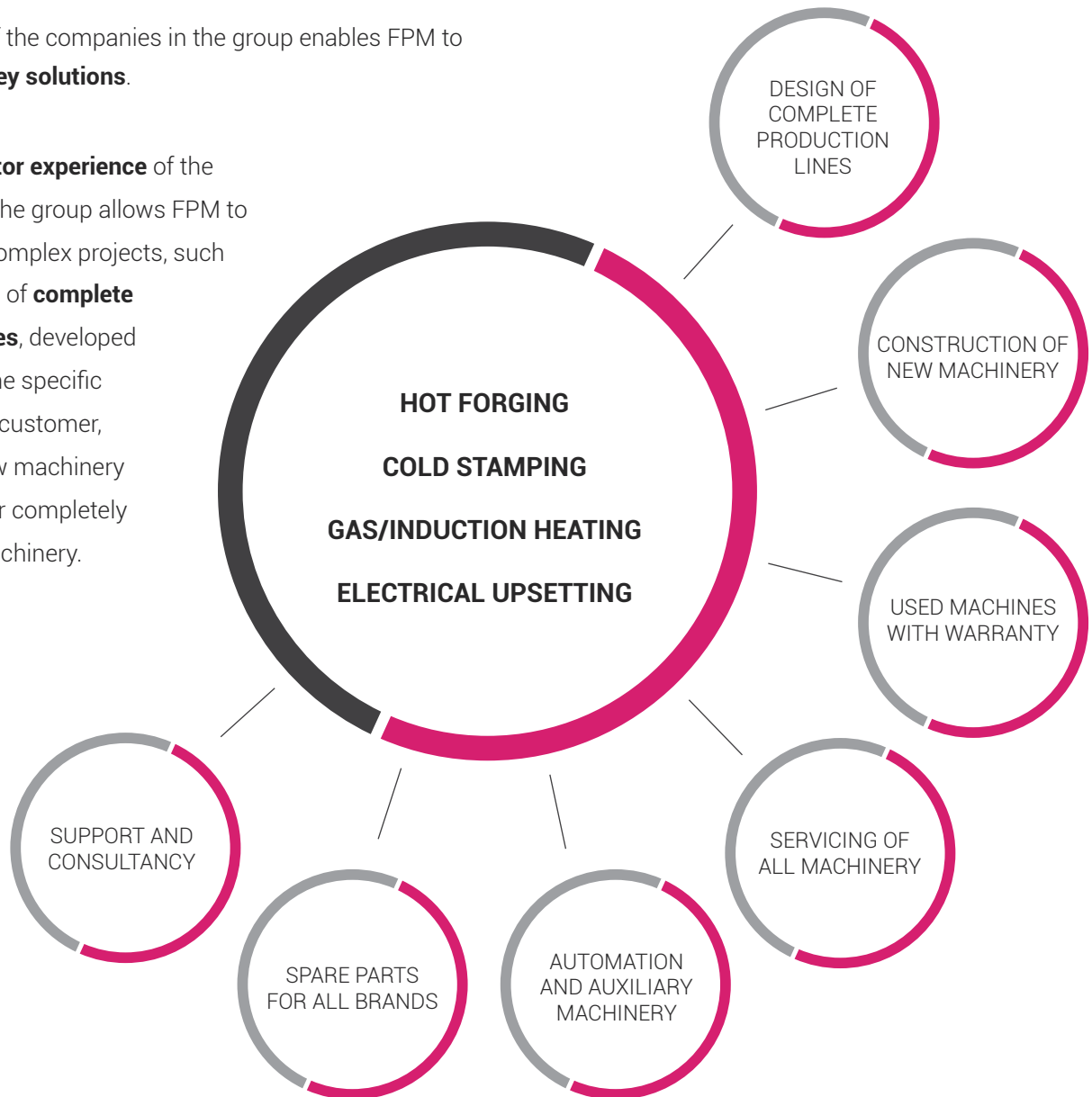
- Mechanical assistance
- Engineering and process assistance
- Electronic and software assistance
- Supply of spare parts, both new and used



The turn-key partner for your company

The synergy of the companies in the group enables FPM to provide **turn-key solutions**.

The **multi-sector experience** of the companies in the group allows FPM to develop very complex projects, such as the creation of **complete production lines**, developed according to the specific needs of each customer, integrating new machinery with partially or completely overhauled machinery.



- Engineering of the production process
- Production and integration of machinery in the production line
- Installation and production start-up
- After-sales service

FPM

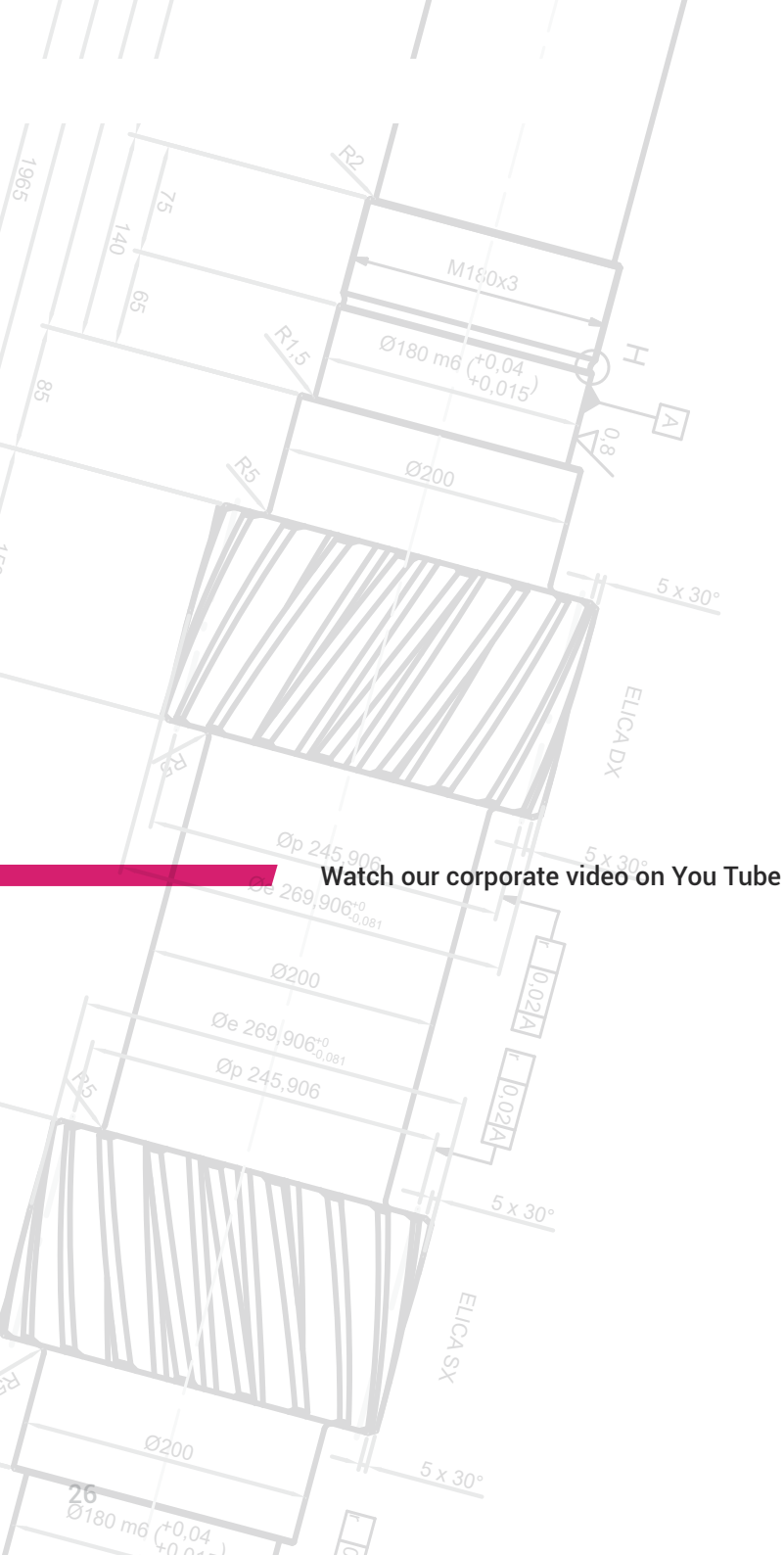
farm brass®

FTB

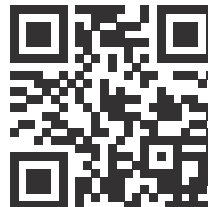
Quality

We aim to constantly improve the quality of our production processes and services, in order to achieve full customer satisfaction.

- Rationalisation of procedures and product technology
- Guarantee of continuous improvement
- Identification and development of tools able to effectively measure the result of our action



Watch our corporate video on You Tube





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