

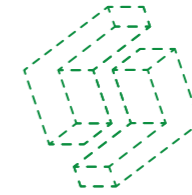


**GPB**

**Die manufacturing and metalworking**



## 01 COMPANY



GPB IS A **WELL-ESTABLISHED COMPANY** FOUNDED IN 1980 BY TWO PROFESSIONALS WITH **EXTENSIVE EXPERIENCE IN THE COLD STAMPING OF METALS**


It is an innovative company operating in the mechanical sector that has always offered targeted solutions for the specific requirements of its clients, carrying out the machining of items in iron, steel, aluminium, copper, brass and bronze with progressive, transfer and manual dies.

Items are produced via shearing, stamping, bending, forming, laser cutting and punching,

in addition to assembly via welding and riveting.

In addition to production machining, GPB also applies its advanced technology to the sector of die construction.

Furthermore, the company manages a series of subcontractors for machining and equipment, as well as thermal and surface treatments.



A combination of **experience, tradition and skill** ensures that GPB products have the technical characteristics to **satisfy a constantly evolving market.**

## 02 ACTIVITIES

## SHEET METAL PUNCHING

Constant development in manufacture has led the company to invest in new machinery to respond to evermore specific client demands.

As a consequence, punching has joined the range of complementary activities, such as shearing

and stamping.

The process is carried out by specialised machinery capable of creating the requested design with extreme precision, with sheet metal of up to 4 mm in thickness and with a working area of 1525 x 2500 mm.

## SHEET METAL BENDING

Technological equipment, specialised personnel, and the constant updating of staff skills and technology. These are the cornerstones of the years of experience of GPB, a company focused on client satisfaction and the constant improvement of the products and services offered.

In the majority of cases, the punching stage is followed by bending, and when necessary, punched items can be bent with a bending press.

We are also equipped with a robotic bending cell.



## SHEET METAL LASER CUTTING

In order to offer a more rapid and precise service, GPB has enhanced its machine inventory, concentrating on one of the most innovative forms of technology dedicated to sheet metal cutting: the latest-generation Fibre Laser Cutter with automated loading and unloading storage, capable of handling elevated workloads.

Its main characteristics are higher speeds compared to traditional systems, and the utmost quality for the cutting of mild steel as well as other materials such as copper, brass and stainless steel. This technology offers quality products of the highest levels of precision with rapid production times, enabling us to quickly respond to market requirements.



## SHEET METAL FORMING

GPB carries out forming on a range of materials with presses fitted with PLC control for forming speed, mobile table pressure and blank-holder pressure with electronic reduction.

By varying the pressure of the blank holder during forming, complex items can be obtained that would otherwise require a longer forming process.





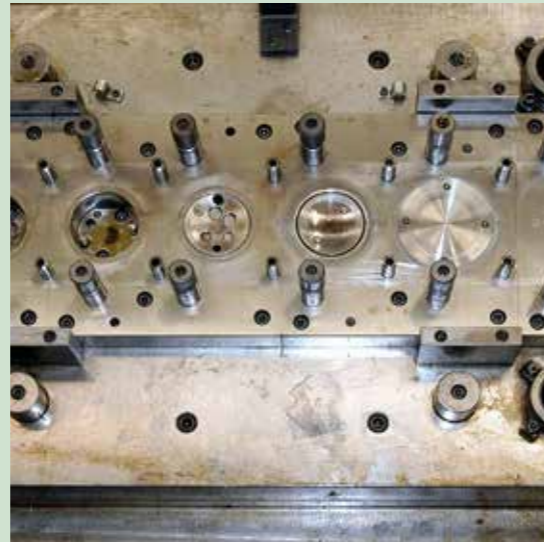
## SHEARING - STAMPING

GPB's machine inventory includes friction presses of up to 250 t, integrated with PLC for the regulation and recognition of dies, a form of technology that allows for a reduction in set-up times during shearing operations.

Additionally, the company has a particular press with 10-pitch

single-bar transfer and adjustable pitch from 50 to 250 mm.

The interlocks available for shearing machinery allow for the creation of varying sized items, with strips of a thickness of between 0.1 and 6 mm and up to 500 mm in width.



## ASSEMBLY

For clients that want to receive assembled products, GPB not only stamps and finishes individual parts, but also assembles

them via welding or riveting, or by simple manual assembly with screws and rivets.

## DESIGN AND PRODUCTION OF SHEET METAL DIES

GPB produces small and medium-sized dies (up to 500 mm) for the cold shearing of sheet metal and for small and medium-sized forms.

qualified personnel, periodically updated with the latest die-constructing technology. Dies are designed and produced according to drawings or samples.

The range of production methods includes progressive shearing/forming dies, transfer dies and manual dies.

GPB also offers clients the possibility to have their dies stored in an equipped warehouse and handles all ordinary maintenance for the dies on free loan.

The company relies on highly

## 03 MACHINE INVENTORY

GPB HAS A **MACHINE INVENTORY** THAT INCLUDES THE **BEST POSSIBLE INSTRUMENTS** FOR **SATISFYING THE REQUIREMENTS OF ALL ITS CLIENTS**

The wide-ranging and complete machine inventory allows GPB to internally carry out all the stages of production.

It includes laser cutters, punchers and benders; friction presses

from 25 to 250 t for shearing and stamping; hydraulic and mechanical presses for forming; machines for welding and riveting, for the assembly of finished parts.





ENSIS 3015 AJ LASER CUTT - AMADA

AS LUL 3015 AUTOMATED LOADING AND UNLOADING SYSTEM

EMZ 3610 NT PUNCHING MACHINE - AMADA

MP SHEETCAT 3015 MANIPULATOR - AMADA

HFP 130-30 NT BENDING PRESS - AMADA

HD 8025 NT BENDING PRESS - AMADA

HFE MZ5012 BENDING PRESS - AMADA

HFE M2 1003 BENDING PRESS - AMADA

APR 30/6 ANTIL BENDING ROBOT - AMADA

40 t | 80 t | 120 t ECCENTRIC PRESS - MANZONI PRESSE

25 t | 50 t ECCENTRIC PRESS - BALCONI

40 t | 100 t ECCENTRIC PRESS - LOSA M.

84 t | 128 t | 168 t | 250 t ECCENTRIC PRESS - OTI PRESSE

120 t TRANSFER PRESS UP TO 10 STATIONS - OTI PRESSE

63 t PRESS - COLOMBO A.

100 t HYDRAULIC PRESS - WMW

100 t HYDRAULIC PRESS - HYDROMECC

ROTARY INDEXING TABLE RIVETING MACHINE WITH 8 STATIONS - BALTEC

RN 231 RIVETING MACHINE - BALTEC

SAG210 PARALLEL LATHE - GRAZIANO TORTONA

MINI 9 TANGENTIAL GRINDING MACHINE - CAMUT

RUR7000 INTERIOR GRINDING MACHINE

MOD. 1400 TANGENTIAL GRINDING MACHINE - SHIPMAN

OR-1000 TANGENTIAL GRINDING MACHINE - RIBON

N10 MILLING MACHINE - GABIN

MH 600P MILLING MACHINE - MAHO

WF 72CH CNC MILLING MACHINE - MIKRON

VCP600 CNC MACHINING CENTRE - MIKRON

A - 1ia ELECTRICAL DISCHARGE MACHINE - FANUC

## 04 QUALITY

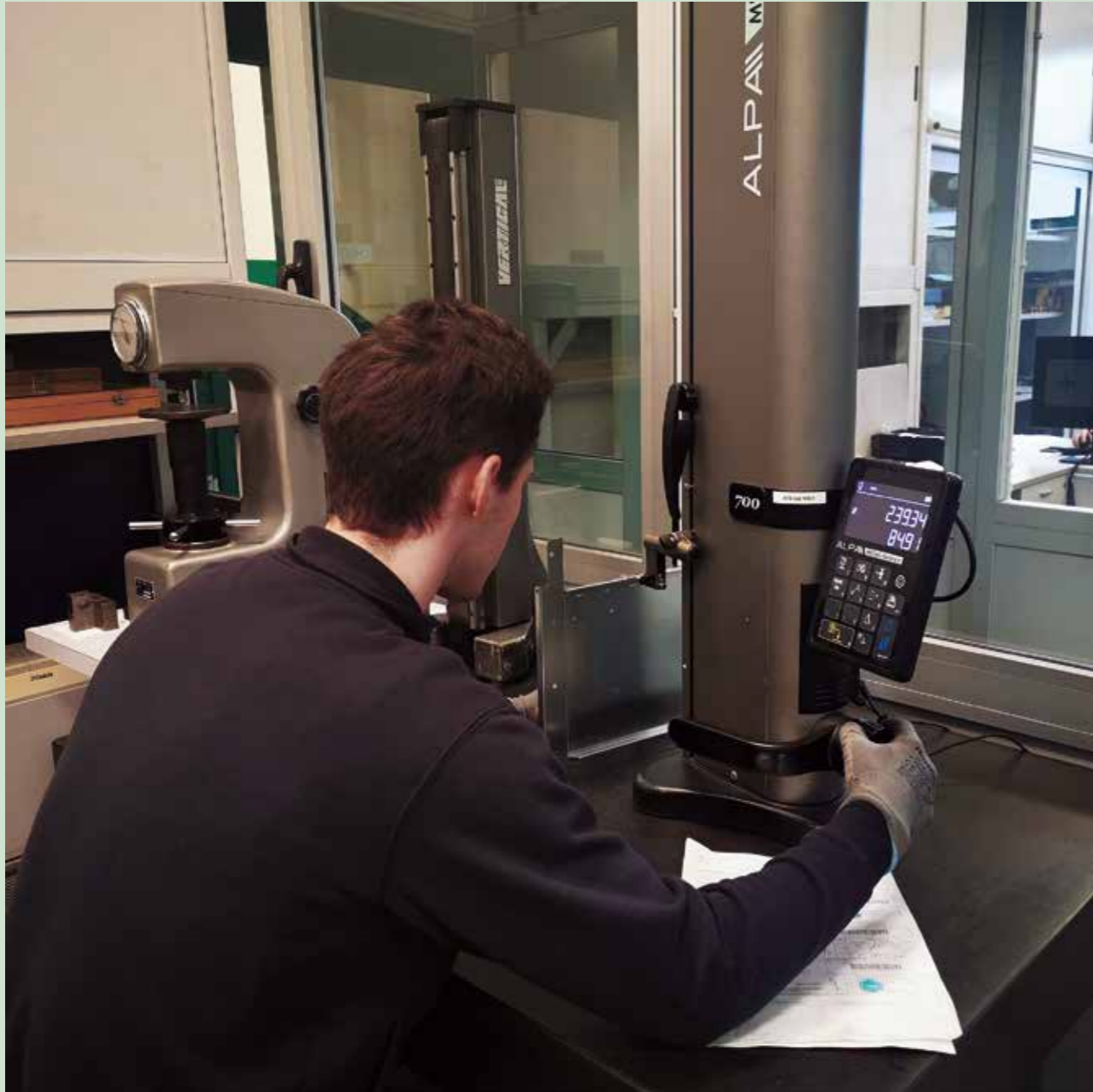
### PROFESSIONALISM, COMPETENCE AND FLEXIBILITY ARE THE CORNERSTONES OF GPB MANUFACTURING PHILOSOPHY

We boast specialised and trained personnel who play an active role in the designing of all the components necessary for the creation of the final product, carrying out feasibility tests, setting up

the entire manufacturing process and even handling logistics and management aspects of the end product.



The company is currently certified in accordance with UNI EN ISO 9001 requirements



## SYSTEM

Since the very beginning, GPB has dedicated particular attention and significant resources to the Quality System, with the aim of optimising the production process, reaching an elevated level of product quality and reliability, and thus guaranteeing complete client satisfaction. The company has identified the organisational processes, their

sequence and interrelation, deemed necessary for the Quality Management System.

Over the years, GPB has established standard procedures for improving production processes through scrupulous control methods, monitoring and analysis of the results.

## CONTROL

All stages of the production process are carefully controlled on reception, with an identification sheet that accompanies the merchandise throughout the various stages of production, with a working cycle that indicates machine settings, the type

of control to carry out, the relative measurements, tolerances and so on.

All parts produced are checked with standard instrumentation, an optical comparator and electronic altimeters. con altimetri elettronici.

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Watts Water Technologies, Inc.

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Electric

**SICOR**



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