



**3B FLUID POWER**

**CUSTOM MECHANICAL SOLUTIONS**



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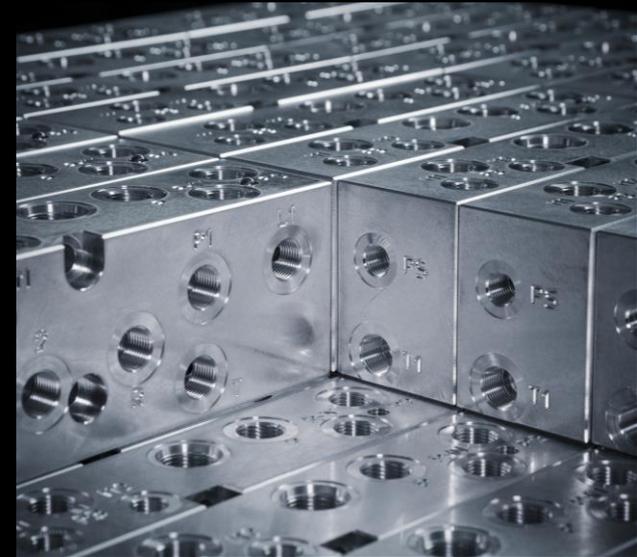
CUSTOM MECHANICAL SOLUTIONS

HYDRAULIC COMPONENTS  
AND PRECISION MECHANICS

## WHO WE ARE

**3B Fluid Power SRL** was founded in 2002 from the acquisition of the third-party branch of a metalworking company with a thirty-year history in the sector.

Today the company produces **cast iron** or **aluminium die-cast items, hydraulic power units, hydraulic blocks / manifold**, and **aluminium or steel components** for automatic machines.



## MISSION & VISION

Respond promptly to market demands, increasing our level of expertise and specialization: a goal that we aim to reach and exceed every day, thanks to targeted technological investments and optimization of all existing resources.

Our name includes the hydraulic sector which is today the heart of our production.

In the future of 3B, we would like to expand the acquired know-how also in other industrial sectors.

# REFERECE SECTORS

Mechanical

Hydraulic

Agricultural

Automatic machines, labelling

Automotive

Food

Electric motors, Gearmotors



# OUR STRUCTURE

We have expanded the main office, which today reaches 2500m2. We organize the spaces in order to optimize the production cycle and guarantee the efficiency of the control systems.

**Administration**

**Tool room**

**Production**

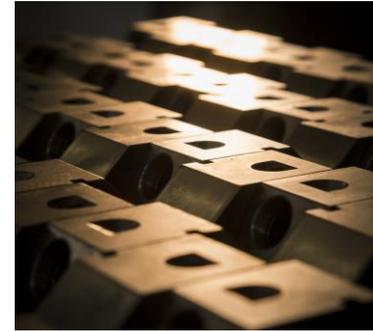
**Warehouse**

**Quality Control**

# PRODUCTS

The range of products processed to date includes:

- **cast iron die-cast items**
- **hydraulic power units**
- **Hydraulic blocks/manifolds** in cast iron, aluminium and steel (made to order)
- **Aluminium or steel components** for automatic machines



# COMPLEMENTARY WORKS

We offer the possibility of completing the processing of the product through specific finishes:

- Painting
- Microphosphating with zinc salts
- Microphosphating with manganese salts
- Thermal deburring
- Zinc plating
- Heat treatments for cast iron
- Aluminium anodizing
- Nickel plating
- Resin or Loctite impregnation

Pre-assembly of the parts

Air testing

Assembly of expander or avseal caps

## THE INVESTMENTS

Today the production plant has a consolidated configuration in industry 4.0 in which we periodically integrate latest generation machinery.

The production is currently composed of:

- 9 horizontal work centers
- 3 multi-pallet horizontal work centers
- 2 vertical work centers
- 3 robotic islands
- 3 CNC lathes
- 1 automatic ultrasonic cleaning system



## ROBOTIC ISLANDS - MORI SEIKI NH4000 DCG



Equipped with automatic piece feeding system, deburring and ZEISS three-dimensional control for 50% of the pieces produced.

Working autonomy 24 hours for 7/7 days.

# HORIZONTAL AND VERTICAL MACHINING CENTERS



*horizontal machining center MORI SEIKI*



*vertical machining center QUASER*

Our **horizontal machining centers** are all MORI SEIKI NH5000 DCG.

The **vertical machining centers** are all QUASER MK603SP.

We have chosen to invest in machinery of the same brand and model, to ensure maximum production flexibility in favor of optimizing delivery times.

# CERTIFICATION

**Quality** and **Sustainability** are an integral part of our way of operating.

The **ISO 9001** and **ISO 14001** certifications demonstrate 3B FLUID POWER's constant commitment to improving business processes and responsible environmental management.

ISO 9001 guarantees that each phase of our precision mechanical processing meets the highest quality standards, while ISO 14001 reflects our dedication to reducing environmental impact.



Certification ISO 9001:2015



Certification ISO 14001:2015

# THEY CHOSE US





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[Certification ISO 9001](#)

[Certification ISO 14001:2015](#)