



**LOCATELLI**  
MECCANICA



**Precision Hydraulic Presses**



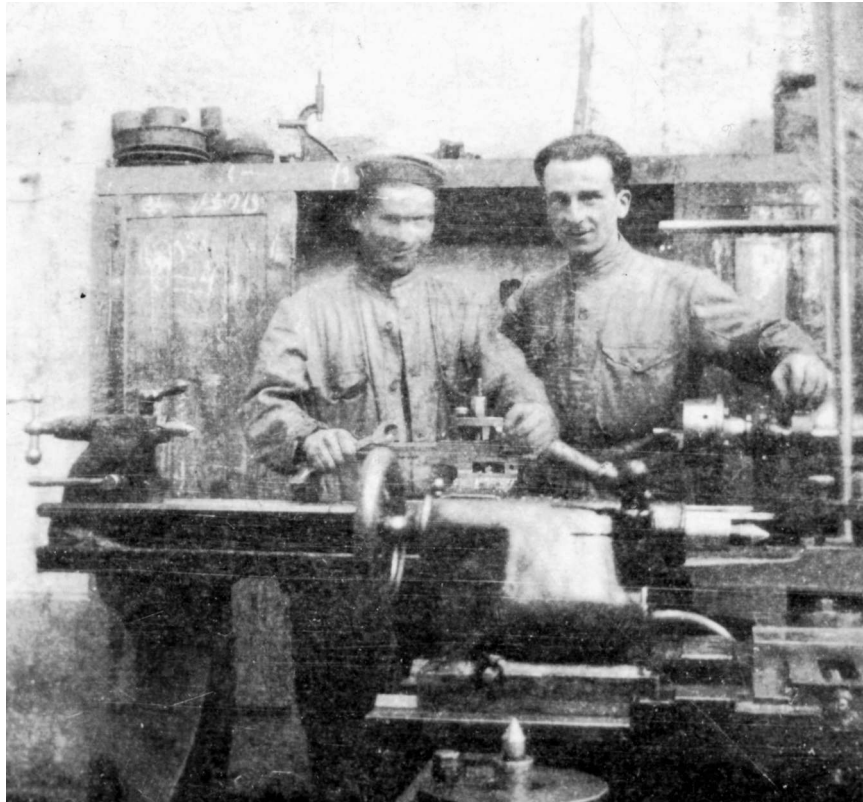
**The best quality Presses – Made in Italy**

# Contents

Passionate about Innovation	3
Core Competencies	4
Precision	5
Oil-Hydraulic Presses	6
Big Table Presses	8
Metal-working	10
Easy maintenance	11
Sioftware	12
Feeding & Handling	13
Experience & Innovation	14
Point of Interest	15



# Passionate about Innovations



Established in **1924** by the **brothers Italo and Sergio Locatelli** in the beautiful **Casentino Valley** in Tuscany in Italy, Locatelli Meccanica is an Expert Company in designing and manufacturing High Precision Hydraulic Presses with the latest Technology for the High-End Industry.

We combine decades of experience and ongoing advances in all areas of the stamping technology, and have steered development in several new directions.

Locatelli Meccanica develops individual stamping solutions for different applications, accompanying customers to a global expansion and providing support via our product services.

Thanks to the mechanical, hydraulic, electric and electronic design performed by our engineers and to the internal manufacturing, we can react swiftly and flexibly to the customer's needs.

## **Our Mission**

**One hundred years of experience into machine design and manufacturing have resulted in the new range of new, innovative, flexible presses. Many different sizes are available including custom made machines.**

**As an active development partner to our customers, we are heavily geared to Progress and Innovation, and particularly welcome to complex challenges.**

**Customers come to rely on our innovative solutions and extensive product range.**

# Core Competencies



Our core technologies are Compact, Robust, Versatile **Oil-Hydraulic presses, Minting Presses and Blanking Presses.**

Our hard-working, talented, customer-oriented team tailors each press to the customer's request. By working as part of an extensive network of internal and external partners, we steadily build our know-how base and continuously push ahead with development of new pressing solutions.

Advanced activation processes guarantee **perfection in stamping** even with fully automated systems. This press concept is optimal for the requirements of small and medium enterprises. As a result, we satisfy all the requirements of the Market in this price-sensitive press range, with a comprehensively winning concept.

## Safety Awareness

High quality standards guarantee security of investment and ease of maintenance. Hydraulic drawing and stamping presses from Locatelli Meccanica combine maximum production flexibility with convenience in everyday operation.

**Safety factors** are incorporated into our products and processes design from outset. Maximum durability, functionality and emphasis on production mean, for us, the state-of-the-art Safety Protections without compromises.



# Precision

In our opinion, one cannot think of having a Quality Press if all its components are not equally precise. Not only must commercial materials be of the highest quality, but all mechanical processes must be controlled and must meet the highest level of quality standards. That's why inside our factory, in addition to the design, we also have the internal processing of all the mechanical components.



## Industrial benefit from Precision Machining

A business that needs a durable parts formed to an exact size, completely finished after pressing, need **Precision Presses** to get the job well done.

For this reason, it is very important that every part of a machinery is perfectly synchronized with the others.

In the stamping industry, precision in striking is basilar to work: to achieve high quality stamping, precision in the press components means high productivity, repeatability in quality and low production costs.

**From A to Z  
manufactured  
in our Plant**

**Available 35 to 1000 Tons**



**Oil-Hydraulic Presses**

# Oil-Hydraulic Presses

## Down stroking press:

**Rigid four columns press frame** with upper and Lower table made in Forged Steel (C45);

**Very compact unit**, with electric cabinet and Hydraulic pack mounted on the same press basement;

**Lower and upper ejector** unit, with adjustable ejection power and speed;

**Magnetic encoder**, for ram position control measuring system, contactless; **Very low noise** equipment, <70 dB (A); **Ergonomic design** with a seating position and wide legroom; **Easy accessibility** to all the parts of the machine, even with automation feeding system installed;

## Great variety of working programs:

**Multiple pressing and Dwell Time** in closed mould, for a full control of metal's flowing inside the mould;

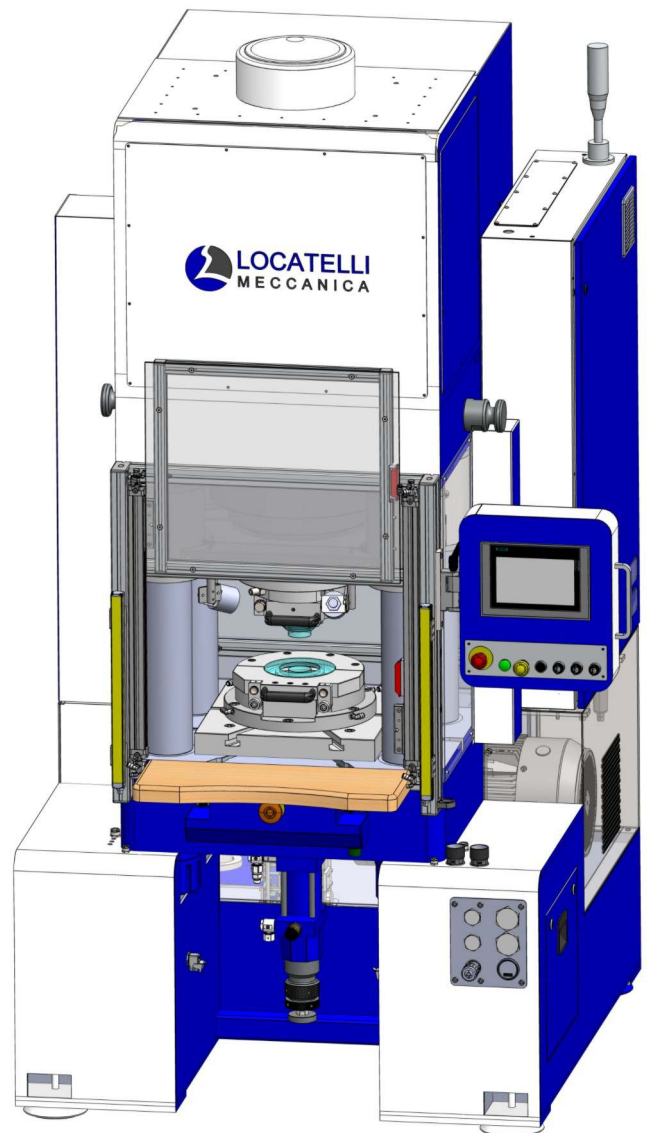
**Lifting Function, Safety for mould:** alarms on double charging, wrong charging (by standard software), no charging (option);

**Fast blanking, Hologram Function, Micron Program** (useful to improve precision in complex parts), **Fast program, Auto-Brake program;**

**Ramps of pressure:** possibility to set the time to reach the target pressure (the operator decides this time, not the machine according to the metal's resistance);

**Memory of thousand of programs**, with alphanumeric name for an easy recall; **World Wide**

**Access** to the PLC for analytical diagnostics and subsequent modification - update – tailoring – fine tuning of the software.



**Available 35 to 500 Tons**



**Big Table Presses**



# Big Table Presses

The same  
software for all  
our presses

## Down stroking press:

**Rigid four columns press frame** with upper and Lower table made in welded steel C45;  
Compact single unit, with electric cabinet and Hydraulic pack mounted on the press basement;  
Optionally equipped with a **Hydraulic Bolster Cushion**, cutting impact damping or a die change system. Hydraulic drawing and stamping presses meet all requirements for efficient production in the press shop.  
Very low noise, <75 dB(A).



The Big Table series provides the **same features** of the standard Hydraulic Presses, by means of hydraulic and electric components, as well as software design, with the advantage of a larger space up to 1200x1200 mm and the possibility to install a lower blank holder for deep drawing operations.

Blanking, hot and cold sheet-metal press-work; our oil-hydraulic presses are used for drawing, progressive and step-by-step press-work.

# Metal-working



## Every metal parts is worked in our plant

The tooling machines installed in our Plant are provided with Numerical Control, inside which the data necessary for the manufacturing of the mechanical components are entered in terms of dimensions, speed and tolerances. Once the input has been given to the machinery, it will start an automation capable of producing a standard number of mechanical components, at a given time interval.

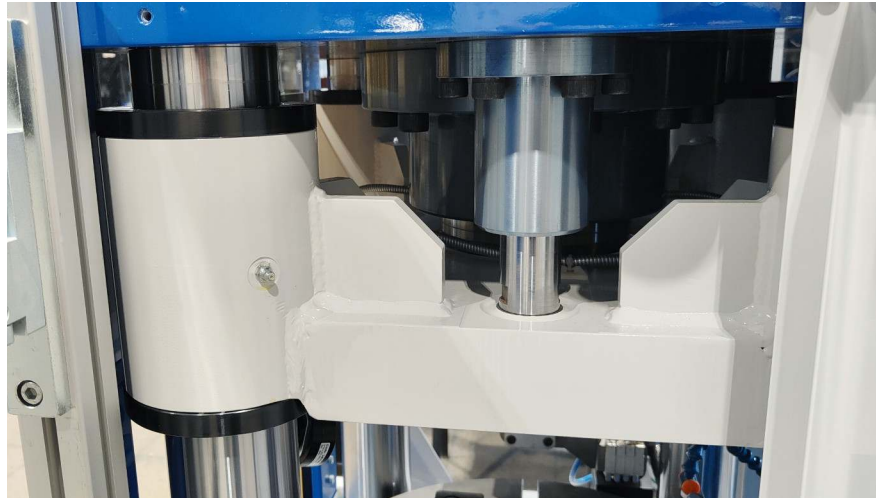
The great advantage, in these cases, is in the correction of errors during manufacturing. Whenever the machinery detects an anomaly in the supply chain, it makes the contextual modification and reactivates the automation process in a very short time.



# Easy maintenance



LOW  
MAINTENANCE



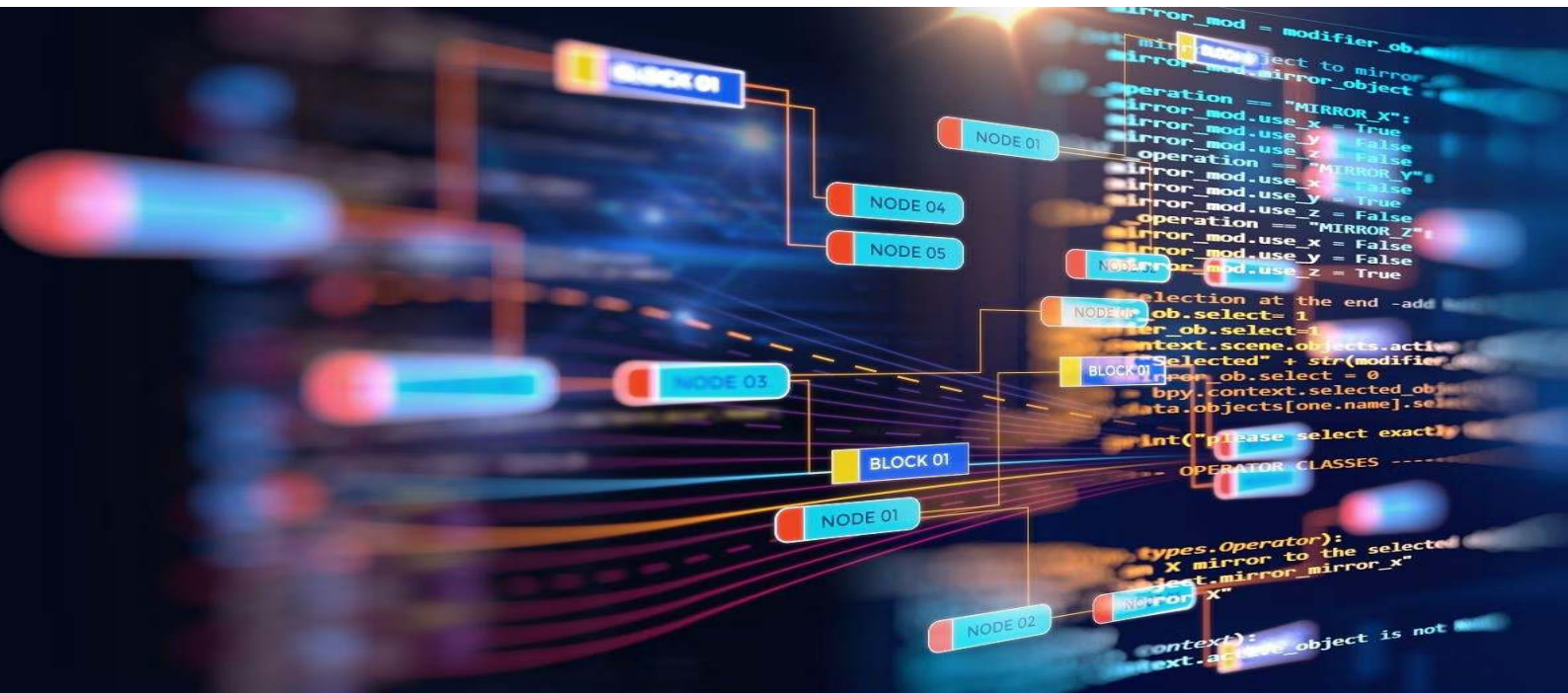
## Easy maintenance and accessibility

Our philosophy is: **every user must be able to do standard maintenance in an easy way.**

For this reason, the Smart HMI give instructions whenever is necessary a maintenance. Furthermore, the ergonomics of the machine is made in such way to allow to reach all sensible parts (like electro valves, filters, electric components, etc..) even with a minimal acknowledge of mechanics.

- Accessible areas of intervention;
- Specific signs to identify maintenance and service points;
- Large areas to facilitate maintenance;
- Protection of critical areas;
- **Automatic lubrication system**, maintenance free;
- Grease lubrication; consumption contained to a minimum for the mobile table.

# Software



## Every end-user needs the perfect software

Today the software represents a fundamental pawn for the choice of a machine. In Locatelli Meccanica we develop internally the programs of our presses, thus being able to always provide immediate answers in all the most different situations.

- **Specific Software** designed for blanking and stamping high quality parts;
- Make simple to recall memorized programs;
- Minimal stop time of the press;
- Status of the press in real time;
- **Tailored solutions** for every single customer;
- In all different models of press we have installed; the **same basic software**, in order to make easy the use of different models of presses in the same Company;
- **Teleservice available for free** via Ethernet or Wi-Fi.

# Feeding & Handling



[Play video](#)



## Robots, Transfers, Feeders etc.

Our automations are the **smart, compact and innovative solutions** designed for every customer, optimizing the working cycle. They allow to:

- Delete the man work;
- Have the stand-alone work;
- Get the advantage of the pressing operation avoiding the empty time;
- Allow an industrial repeatability operation to assure a constant quality.

Automations are adjustable to the needs and requests of the customer, depending on:

- Products size;
- Spaces availability.

In case of transfer system, handling is made of a Compact double-axis unit, which moves blanks from stock to the pressing tool and then to collecting area. The first axis is moved by a robot, that activates a double gripping system which takes and lift parts of few millimetres and move them in the die. At the same time, it moves the pressed parts to the collecting area.

# Experience & Innovation



[Play video](#)

## Quick Die Change for the Minting Industry

Available for different size and customizable, is a State-of-the-art pressing tool, designed and manufactured by our engineers. It helps to solve the main mechanical and technological issues coming from complex parts.

Our Quick Die Change, designed for producing a wide range of parts, allows a quick change of moulds with the max setting precision, avoiding assembling mistakes.

The positioning control is routinely used to measure the thickness of the pieces.

# Points of Interest



## HARDWARE

- Perfect control of the parts thickness;
- Frame rigidity ;
- Press Piston guided on the four columns;
- 7 sliding / guiding points;
- Pressure precision of 1%;
- Easy accessibility to all the parts of the machine.

## SOFTWARE

- Multiple pressing and Dwell Time;
- Safety for mould;
- Fast blanking;
- Hologram Function;
- Micron Program;
- Fast program;
- Ramps of pressure;
- Memory of thousand of programs;
- World Wide Access and FREE teleservice.



Our products are also eco-friendly, thanks to our environment oriented approach to choosing suppliers, cleaning and internal movement of materials. Approximately 70% of the electricity consumed in Locatelli Meccanica is produced by a powerful New Generation Photovoltaic System positioned on the roof of our Plant.



locatellimeccanica.com

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