

SINCE 1934

THE STRONG SIDE OF TECHNOLOGY



MECHANICAL PRESSES STAMPING PLANT.



INTERNATIONAL
MARKET



SAFETY
OVER TIME



QUALIFIED
PERSONNEL



HEADQUARTERS OF
10,000 S.M.



PRECISION
MACHINERY



AFTER-SALES
SERVICE

Qualified personnel, technologically-advanced and modern machinery, highly professional design and control methodologies, combined with close collaboration with selected suppliers, guarantee the **high quality of our products, which translates into efficiency, safety and long-lasting service.**

Moreover, the strong synergy between marketing and research focuses on the customers' needs, thus achieving excellent results that do not end with designing the press but instead allow the **construction of entire "turn-key" production lines.**

In last years, I.M.V. has invested huge amounts of resources with the aim of constantly improving its operations, obtaining results such as the construction of highly technological presses, of great size and accuracy, of machines for the sintering of metal, of lines and pressed featuring the latest technical solutions and completely integrated with automation both for blanks and cpil; always without losing sight of the need for simple use, reliability and high performance.

An excellent after-sales service and personalised treatment, closer to the customer, complete the picture of a dynamic, reliable and qualified company.



I.M.V. PRESSE s.r.l.

EXPORTS IN EUROPE AND THROUGHOUT THE WORLD...

Since 1934, I.M.V. PRESSE has been operating on the national and international market of sheet metal forming, acquiring significant experience in key sectors, such as: automotive, home appliance, aerospace, forging and sintering of metal dust.



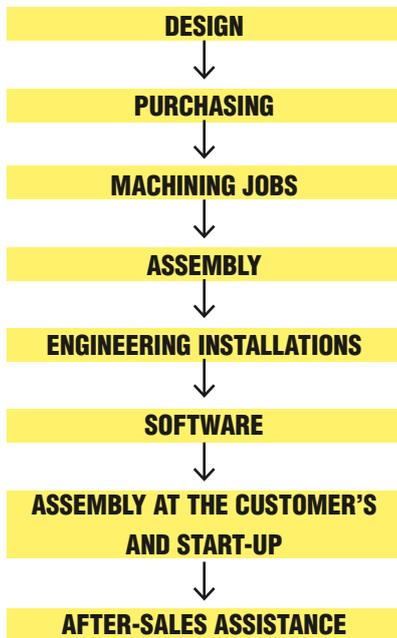
SOLUTIONS FOR ALL KINDS OF NEEDS... FROM 1 TO 4 CONNECTING RODS WITH POWER FROM 1,000 TO 35,000 KN.



I.M.V. PRESSE specialises in developing a wide range of technical solutions which, associated in different combinations, make it possible for the user to choose the press that best suits their needs. The dimensions, performance and accessories are then optimised and built “to measure” for each customer. Different production, frequency and flexibility needs of the press are achieved through different kinematic chains with front or transversal shafts, with the introduction of gearbox, levers and other technological solutions.



CONSTRUCTIVE TECHNOLOGIES. INTERNAL PRODUCTION PROCESS.



I.M.V. PRESSE controls directly most of the realisation process of the work- orders, since such process is entirely carried out at company.

The outsourced production, on the other hand, is entrusted to specialised suppliers of proven quality and selected over time.

Nothing is left to chance, and everything is conceived with the idea that our machines have to last for decades.

The design is carried out by means of 2D and 3D software programs, in addition to simulation programs for specific parts specifically developed for such purpose.

Ninety-nine percent of machining jobs are carried out at the company, thanks to a workshop equipped with modern and accurate machinery.

The assembly is also carried out at the company, and the machine in movement undergoes a final test and inspection before it is delivered.

The software is devoted for better monitoring of all system functions, for making the operator's job easier and for remote assistance purposes.

The applied components are of leading brands and available throughout the world.

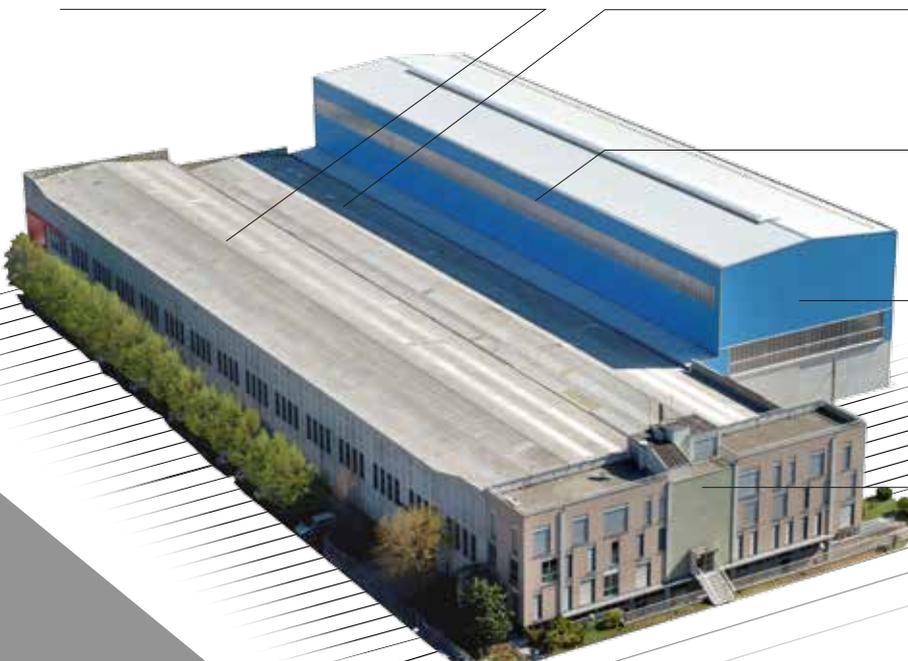
ELECTRICAL OFFICE:
Electrical design, software, after-sales service (300 square meters)

MACHINING DEPARTMENT:
boring machines up to 5000 x 12000, lathes with diameter up to 2500 (3000 square metres)

SMALL ASSEMBLIES DEPARTMENT:
heights of up to 10 m and crane capacities of up to 80 tons (3000 square metres)

LARGE ASSEMBLIES DEPARTMENT:
heights of up to 20 m and crane capacities of up to 200 tons (3000 square metres)

TECHNICAL OFFICE:
R&D for mechanical, pneumatic and hydraulic design (500 square metres)





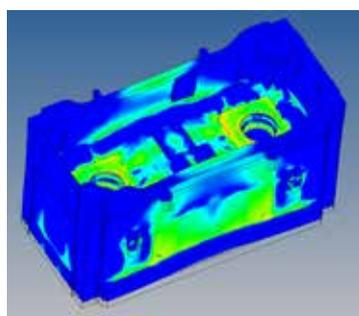


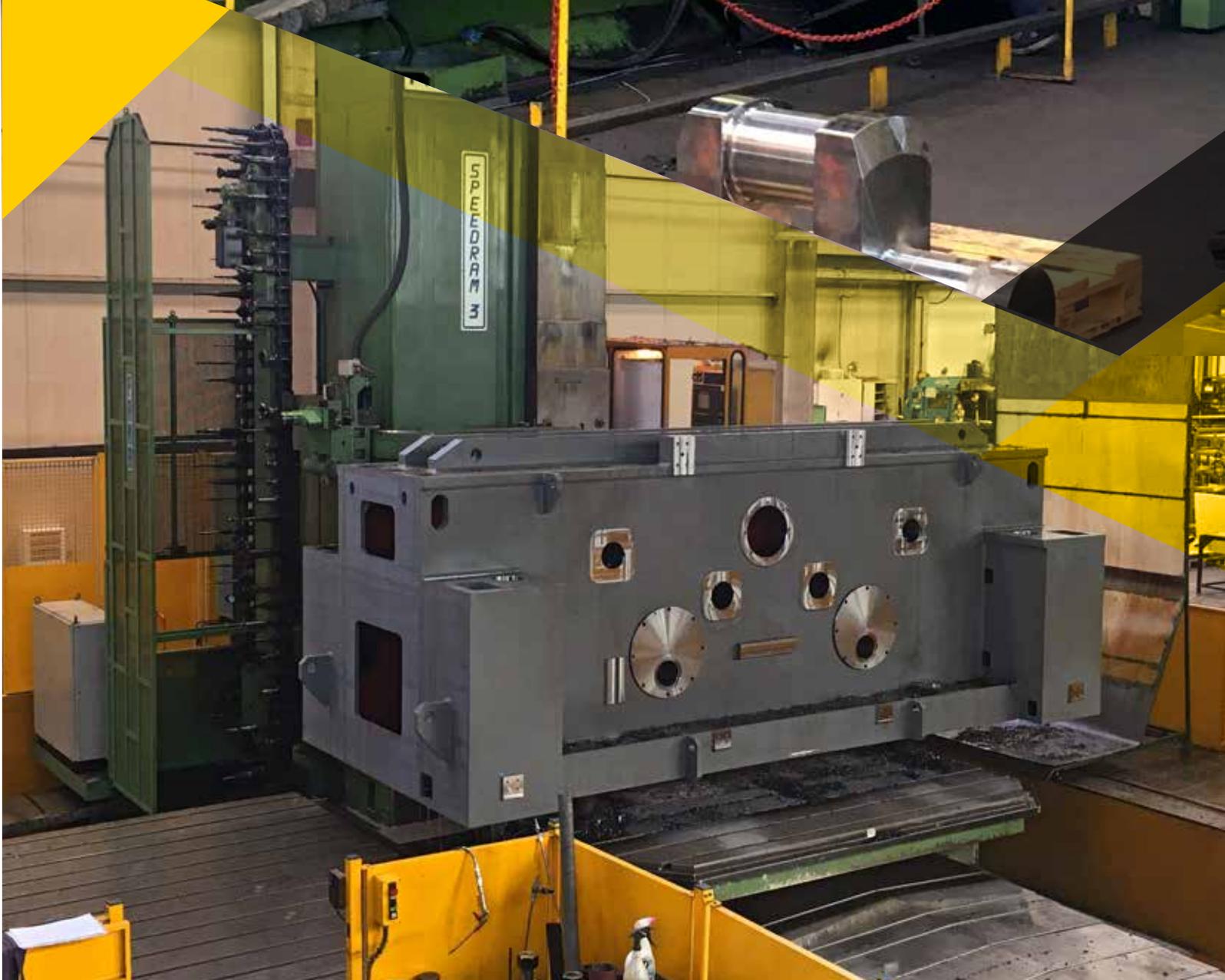
OUR PRESSES. **OUR STANDARD IS YOUR CUSTOMISATION...**

The competence and experience of our design engineers, combined with the use of sophisticated software programs, in some cases developed ad hoc, allow the utmost freedom of customisation, both mechanical and in the application of different technical solutions.



Parametric design, 3D modelling and F.E.M. tests are just some of the most advanced processes used for the design phase. This is supplemented by a longstanding experience acquired directly in the field for more than eighty years now.







COMPLETE SYSTEMS “TURN KEY”

I.M.V. PRESSE can build complete and “turn key” press-lines, working together with companies specialised in the various sectors of automation, servo systems and robotics in general. The constant search and selection of the most modern and reliable accessories, and the flexible construction of the presses, thus allows endless possibilities for adaptations which are not limited to the feeder line and the transfer only, but instead incorporates accessories such as scrap evacuation, material lubrication, stacking of the pieces and other mechanisms in an actual installation.



Each system is one-of-a-kind, studied and realised to express the utmost productivity and reliability in all its parts and in a completely safe manner, for the purpose of optimising all the user's requests, supplementing the with the experience already acquired by both I.M.V. PRESSE and its partners.



SERVO PRESSES

HIGH PERFORMANCE COMBINED WITH INCREDIBLE VERSATILITY.

Slowdown movements are not all the same...

For all LEVER series models, the original slowdown curves feature differences generated by the different construction concepts and by the type of work to which they are dedicated for the most part. After having chosen the LEVER model that is best suited to the needs at hand, during the design phase of the press its characteristics can be personalised, adapting the operating curves to more specific needs.

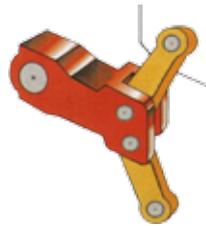
LEVER 1



MODIFIED KNUCKLE JOINT FOR TRIMMING THIN METAL PIECES AND SHEET METAL.

The kinematic mechanism is especially studied to concentrate the slowdown during the cycle phase nearest to the B.D.C., thus leaving more possible degrees to the feeder, which has to carry out the step in a very short amount of time due to the high production frequency.

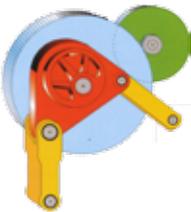
LEVER 4



MODIFIED KNUCKLE JOINT FOR HIGH RESISTANCE, THICK METAL PIECES, COMPLEX TRIMMING AND MEDIUM DRAWN.

The mechanical characteristics and the specific geometric solutions of I.M.V. PRESSE make this movement and the effect truly unique, exalting the utmost compromise between productivity, quality, cost-effectiveness and flexibility, also thanks to the combination with the millimetric adjustable stroke.

LEVER 2



TRADITIONAL LINK DRIVE FOR MEDIUM-HIGH DRAWING.

Generally known as "Link Drive", this is the kinematic mechanism dedicated to medium-high drawing, with a slowdown that is already active during the initial phases of the slide descent, and an acceleration that starts already at the B.D.C.

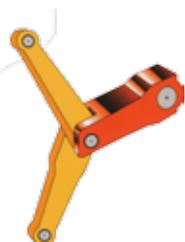
SERVO PRESS



ELIMINATING THE FLYWHEEL RESULTS IN PROGRAMMABLE FREEDOM OF MOVEMENT.

The movement curve and the slide travel, with "pendulum" function, adapt to the most disparate needs of both the deformation process and of the die peculiarities.

LEVER 3



TRADITIONAL KNUCKLE JOINT FOR COINING, WITH THE POSSIBILITY TO CARRY OUT DOUBLE HITS.

Coining, hot or cold calibration, through the use of this lever, the extremely high peak strength is discharged on the rigid structure of the press, duly oversized.

SERVO KERS



REAL FLEXIBILITY IS NOT MOVEMENT ONLY, BUT ITS MATCHING TO FULL ENERGY AVAILABILITY.

An exclusive system developed by IMV that makes it possible to keep plenty of energy available for the deformation phase, thus reducing consumption and cutting down on investment and movement costs of a traditional servo presses.





ENERGY... NOT JUST POWER

NOMINAL WORKING THICKNESS.

On-the-fly transmission, simple or double gears stage, compact gearbox.

(mm dal p.m.i.)	2,0	6,35	12,7	20	40
PLUNGER	•	•	•	•	•
STANDARD		•	•	•	•
LEVER 1	•	•			
LEVER 2			•	•	•
LEVER 3	•	•			
LEVER 4		•	•	•	
SERVO	•	•	•	•	
SERVO KERS			•	•	•

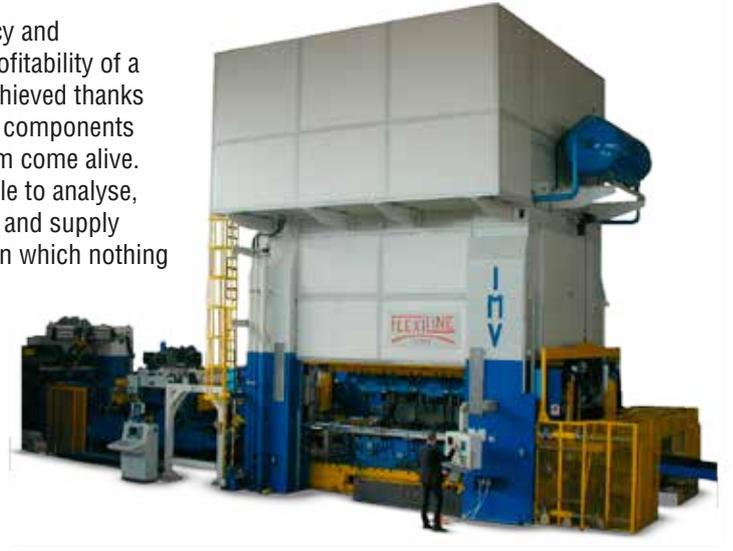
The choice of the right rated energy in relation to the production frequency is a crucial piece of information to be taken into account when configuring the press, in order to be able to use the dies in the best possible way. Based on the requested energy, the type of lever mechanism, the press dimensions and automation, I.M.V. PRESSE offers different transmission combinations.



AUTOMATION, DIE CHANGE, MATERIAL LUBRICATION, PIECES AND SCRAP UNLOADING.

THE PRESS AT THE HEART OF THE SYSTEM.

The utmost efficiency and consequently the profitability of a press-line can be achieved thanks to the synergy of all components that make the system come alive. I.M.V. PRESSE is able to analyse, recommend against and supply complete systems, in which nothing is left to chance.



The analysis of the die change quantities and times and the consequent choice of accessories should no longer be considered a “luxury”, as it was in the past, but rather an “investment” aimed at reducing downtimes. I.M.V. PRESSE makes available a wide range of solutions, based on the necessary automation level and die change speed.

I.M.V. PRESSE has been working for many years with the best supplier of coil lines, transfers and automation and lubrication of the material, thanks to which there is virtually no limit to the variety of systems and solutions that can be developed. With both electronic and mechanical integration, the press becomes the heart of the system.



Topics such as scrap evacuation or pieces unloading, if sensible, handled correctly and safely, also become important when attempting to achieve overall production efficiency.





QUICKNESS AND COMPETENCE. **AFTER-SALES SERVICE.**

The organisation of the company I.M.V. PRESSE is such as to make it possible to provide a high-level assistance service capable of supporting the customer. Clearly, this service comes at a cost, so I.M.V. PRESSE allows its customers to choose from different types of assistance, in relation to their budget and needs.



TELEPHONE ASSISTANCE

Available during regular business hours, it guarantees customers the possibility to ask for assistance in case of “depanage” of slight entity and for spare parts.



TELE-SERVICE

Available subject to appointment, it guarantees customers the possibility to conduct verifications and checks through the Ethernet connection as well as diagnostics in order to schedule targeted and faster maintenance operations.



PREVENTIVE MAINTENANCE

Available subject to appointment, it guarantees the execution by specialised technicians of a check-up on the conditions of the machines and the possibility to plan maintenance operations as may be needed. The annual contracts are customised based on the degree of use and on the needs of the customer.

EXTRAORDINARY MAINTENANCE

Repairs, overhauls, technological revamping and anything else that may be necessary to satisfy the customer’s needs.



PREMIER MOYEN
IMV



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