



GLOBAL Presence

Thanks to our highly international know-how and design capability, and with almost 70% of our production destined for foreign countries, our presses are widespread in the most industrialised countries.



FULL offer

We build both highly customised machines and standardised products to meet any type of application requirement: from customised production, capable of responding to increasingly complex problems and satisfying specific usage needs, to standard solutions with an advantageous price/quality ratio and fast delivery times, with the possibility, depending on your request, of also supplying servicing, transfers and auxiliary services.



ADDITIONAL Manufacture

Our design uses a 3D printer with a scale model of the machine to quickly and safely verify each design, check for interference from moving parts, feasibility of assembly sequences and accessibility of the various areas for maintenance activities.



Wide range of APPLICATIONS

Almost all production is destined for the automotive sector, which over the years has established itself as a reference sector, but our machines are also used in other sectors, including household appliances, electronics, furniture, renewable energy, industrial, gardening and any application where a stamped metal component is needed.



Prompt ASSISTANCE

We provide timely service in three modes: Tele-Service (prompt remote diagnosis), Local Service (visit of a local partner at the production unit) and Travelling (intervention of a technician on site). We also guarantee a fast spare parts and shipping service, planned maintenance and technical training of your staff on our mechanical presses, thanks to a good presence of local service partners, authorised by us, who can intervene promptly, avoiding downtime.



ZANI S.P.A.

Metal Forming Machines

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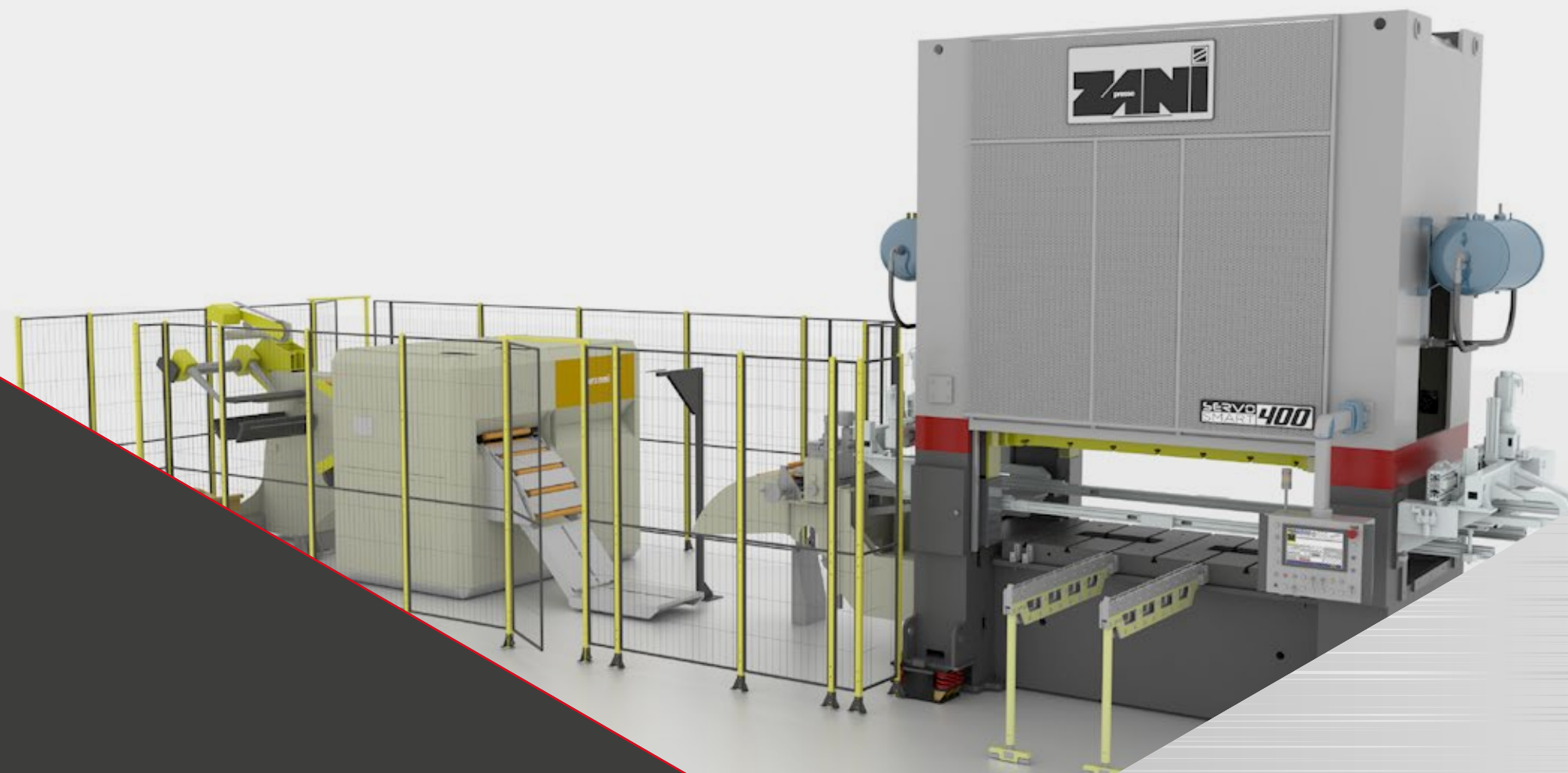
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AND KEEP OUR CONTACTS
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SERVO SMART



SERVO TECHNOLOGY, MAXIMUM FLEXIBILITY AND EASE OF USE FOR SUPERIOR PRODUCTION PERFORMANCE

SERVO SMART is the new Servo Press, designed with established Zani mechanics and developed for flexibility, increased productivity, lower consumption, reduced maintenance and mould wear, and maximum energy savings.

Technology from years of experience in manufacturing servo presses up to 3200 tonnes

As a standardised product, the new SERVO SMART stands out for its favourable cost and fast delivery time, without sacrificing the quality, durability, performance and reliability guaranteed by Zani.

MODEL	FORCE (ton)	SPEED (c/m)	TABLE (m)
SERVO SMART 200	200	90	2
SERVO SMART 300	300	90	2,0 and 2,5
SERVO SMART 400	400	90	2,5 and 3

The heart of the new SERVO SMART is the

SIEMENS MOTOR

SERVO SMART employs motors, drives and energy management based on the reliability of the Siemens servo package and is governed by the FIDOPress supervision, automation and control system, which includes all the functions provided by the SIMOTION SimoPress Servo solution, for smooth machine operation and significant time savings during engineering and programming.



ENERGY MANAGEMENT



CALCULATION OF BRAKING ANGLE



CREATION OF MOVEMENT PROFILES



CAM CONTROL



MACHINE AND PRESS MOULD DATA MANAGEMENT



MOULD MONITORING AND PROTECTION

EN



01

INNOVATIVE technology

A new and advanced technology, which has been on the market for a few years now and is widely used worldwide for its high standards of reliability and efficiency, which guarantees more flexibility in the use of the machine, lower consumption and reduced machine and mould maintenance costs, for a quick return on the initial investment.

- ✓ Reduced investment, operation and maintenance costs
- ✓ Performance analysis and condition monitoring of all components
- ✓ End-to-end control and automation
- ✓ Molding speed control



02

SUPERIOR Performance

Free programming of the deformation curve according to the shape and material of the product to be produced and control of the moulding speed guarantee an increase in productivity and product quality compared to normal moulding principles and ensure less consumption, heating and wear of the mould elements (dies and punches).

- ✓ Highest product quality
- ✓ High production performance
- ✓ Lower consumption of mold elements
- ✓ Control of printing speed
- ✓ State-of-the-art on-board sensors



03

ENERGY saving

An energy management system developed to contain consumption, reduce mould wear, noise and vibrations and to guarantee high power even at low speeds, without increasing energy consumption: in the production phase, it ensures the use of the amount of energy strictly necessary for the work cycle without waste and, in the braking phase, it guarantees the recovery of energy that is then reused in the next cycle. A system similar to that used for kinetic energy recovery (KERS - Kinetic Energy Recovery System) in Formula 1 vehicles to improve the energy performance of single-seater racing cars.

- ✓ Optimized energy management
- ✓ Reduction in consumption and mold wear and tear
- ✓ Reduced noise and vibration
- ✓ Reduced environmental impact



04

GUARANTEED safety

Minimised stress levels, minimised deformations and optimal load behaviour thanks to FEM finite element analysis with which each structural element is verified. Compliance with all safety regulations for maximum protection of operators in the working environment.

- ✓ Compliance with Standards (UNI EN ISO 9001:2015)
- ✓ FEM analysis
- ✓ Safe working environment for operators
- ✓ Integrated safety functions



05

TEMPESTIVE support

Easy availability of spare parts for more efficient and timely support: the standardisation of the machine ensures an always ready stock of spare parts with fast intervention and timely service.

- ✓ Spare parts availability
- ✓ Faster response
- ✓ On-time interventions
- ✓ Efficiency of operations



SERVO SMART
meets the requirements of

INDUSTRY 5.0

The SERVO motors used by ZANI represent the technology that best ensures maximum energy savings.

A press designed with all the capabilities built in to meet the requirements of Industry 4.0, but also for the new Industry 5.0, with software to collect, analyse and process vast amounts of data efficiently and quickly and generate, via artificial intelligence algorithms, preventive and predictive maintenance functions to improve performance and reduce unexpected production stops, downtime and costs, allowing even spare parts to be ordered promptly and without downtime.



CUSTOMER SUPPORT IN CALCULATING ENERGY SAVINGS TO OBTAIN THE NEW INDUSTRY 5.0 SUBSIDIES

We have been designing and building conventional presses, slow-down presses and presses with SERVO technology since 1960.

The qualitative excellence, reliability and ease of use that our machines express are the best guarantee for those looking for performance that lasts over time: we design articulated and complex systems, but simple to govern, that ensure free programming and high speed of slide movement to allow extremely diversified production. All the machines in our range, whether traditional, slow-motion or SERVO technology presses, guarantee high productivity, reduced downtime, high quality moulded parts and maximum flexibility.