

OTI PRESSE

THE “PERSONALISED” STANDARD



OUR MACHINES

INNOVATIVE AND PERSONALISED SOLUTIONS

Welcome to OTI Presse!

We develop personalised and innovative cold forming solutions to improve the productivity of your plants.

A WIDE RANGE CATERING TO ALL NEEDS

SERVO PRESSES

ECCENTRIC GEARED MECHANICAL PRESSES

MECHANICAL PRESSES WITH DECELERATION

TRANSFER PRESSES

SPECIAL PRESSES

COMPLETE LINES



POWER AND RELIABILITY

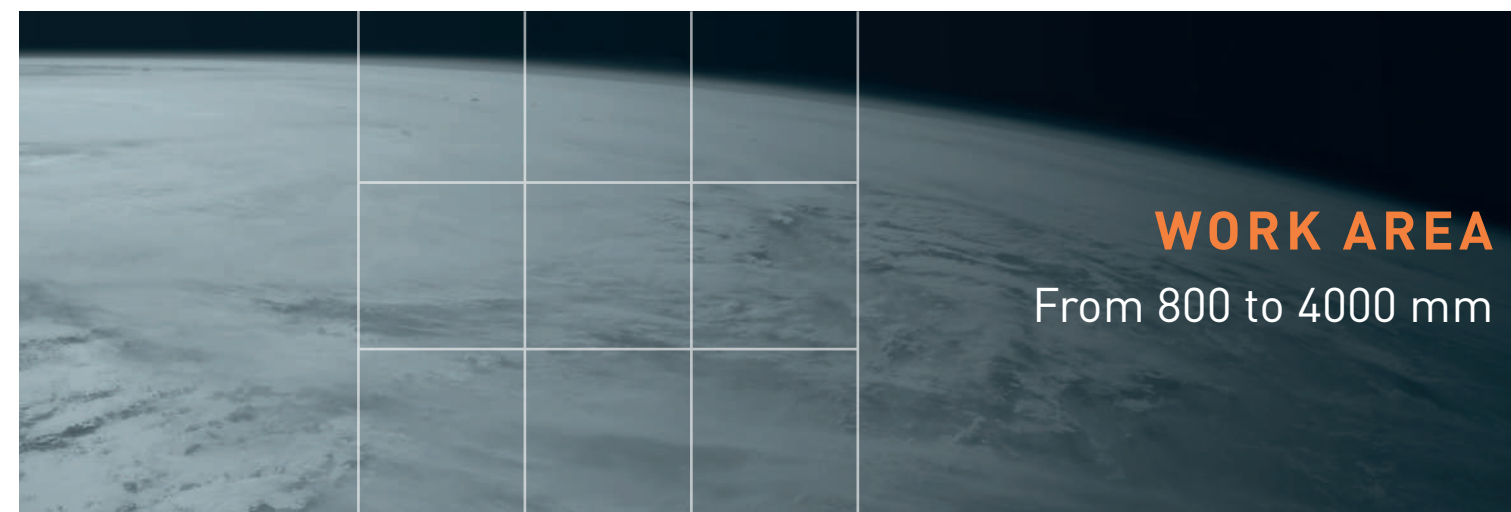
From 400 to 10,000 kN



01

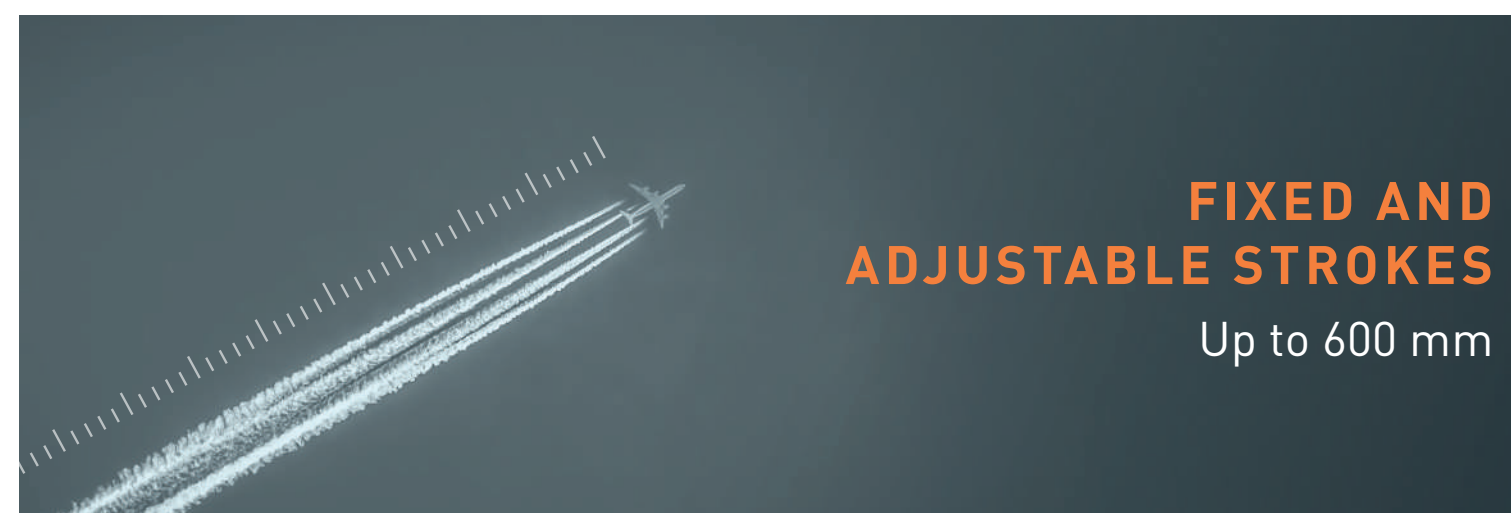
SPEED AND CONTROL

From 10 to 250 strokes per minute



WORK AREA

From 800 to 4000 mm



FIXED AND ADJUSTABLE STROKES

Up to 600 mm

02

SERVO PRESSES FLEXIBILITY & PRODUCTIVITY



Servo presses pave the way to unprecedented production solutions as compared to traditional presses. Servo motors in fact allow complete programming of the press stroke, as well as slide speed and movement profiles, adapting them to the processing parameters of the die and automation system.

The absence of a clutch/brake unit means the machine is extremely flexible, distinctly improving its energy efficiency levels and minimising maintenance costs.

ADVANTAGES

- + Production flexibility
- + Maximum production capacity
- + Versatile use
- + Possibility to personalise slide movement
- + Reduced energy consumption
- + Lower die maintenance costs
- + Maximum available output power at minimum speed
- + Reduced noise levels.

TECHNICAL FEATURES

- > ARC WELDED AND HEAT TREATED STRUCTURES
- > FRONT SHAFT MOVEMENT
- > ECCENTRIC OR LEVER KINEMATICS
- > THRUST POINTS: 1-2-4
- > OSCILLATING ADJUSTABLE STROKE
- > USE OF ONE OR MORE MOTORS
- > HYDRAULIC STOPPING BRAKE
- > SET OF CAPACITORS ALLOWING ELECTRICAL ENERGY TO BE STORED AND RELEASED WHEN NEEDED
- > MOTOR AND DRIVE WATER COOLING SYSTEM

ACCESSORIES

- > PRODUCTION MANAGEMENT CONTROL
- > FORCE CONTROL
- > STORAGE AND RETRIEVAL OF SET PARAMETERS
- > BLANK HOLDER PADS
- > GUIDES WITH SLIDE MOVEMENT ON RECIRCULATING ROLLER BEARINGS
- > QUICK DIE CHANGE
- > OTHER ACCESSORIES

03 ECCENTRIC GEARED PRESSES

POWER & RELIABILITY

03

Eccentric geared mechanical presses offer high speed and production levels. Suitable for blanking, forming, drawing and coining.

TECHNICAL FEATURES

- ARC WELDED AND HEAT TREATED STRUCTURES
- FRONT SHAFT MOVEMENT
- THRUST POINTS: 1-2-4
- FIXED OR ADJUSTABLE STROKE
- UP TO 250 STROKES
- CLEARANCE RECOVERY ON ADJUSTMENT SCREWS
- HYDRAULIC SAFETY WITH ADJUSTABLE CALIBRATION
- SLIDE BALANCES WITHOUT GASKETS = NO MAINTENANCE

ACCESSORIES

- PRODUCTION MANAGEMENT CONTROL
- FORCE CONTROL
- STORAGE AND RETRIEVAL OF SET PARAMETERS
- BLANK HOLDER PADS
- GUIDES WITH SLIDE MOVEMENT ON RECIRCULATING ROLLER BEARINGS
- QUICK DIE CHANGE
- OTHER ACCESSORIES



04

PRESSES WITH DECELERATION SPEED CONTROL



Presses with toggle or modified “Lever Drive” toggle kinematics, allow a reduction in slide speed prior to contact with the metal sheet.

ADVANTAGES

- + Improved blanking/drawing quality
- + Increased productivity with parts that require slow impact to prevent the formation of burrs or stretching phenomena on the material
- + Longer lifespan of tools
- + Reduced noise levels and vibrations, with subsequent possibility to increase the number of cycles per minute.

TECHNICAL FEATURES

- > ARC WELDED AND HEAT TREATED STRUCTURES
- > FRONT SHAFT MOVEMENT
- > THRUST POINTS: 1-2-4
- > FIXED OR ADJUSTABLE STROKE
- > MAXIMUM DISTANCE OF THRUST POINTS
- > UP TO 250 STROKES
- > CLEARANCE RECOVERY ON ADJUSTMENT SCREWS
- > HYDRAULIC SAFETY WITH ADJUSTABLE CALIBRATION
- > SLIDE BALANCES WITHOUT GASKETS = NO MAINTENANCE

ACCESSORIES

- > PRODUCTION MANAGEMENT CONTROL
- > FORCE CONTROL
- > STORAGE AND RETRIEVAL OF SET PARAMETERS
- > BLANK HOLDER PADS
- > GUIDES WITH SLIDE MOVEMENT ON RECIRCULATING ROLLER BEARINGS
- > QUICK DIE CHANGE
- > OTHER ACCESSORIES

TRANSFER PRESSES

MULTIPLE PROCESSES, ONE MACHINE

05

Transfer technology can be used in both servo presses and eccentric geared presses at full and decelerated speeds. This production technology has two essential benefits: it allows multiple processes using just one machine, and the optimisation of material usage.

TECHNICAL FEATURES

- ARC WELDED AND HEAT TREATED STRUCTURES
- FRONT SHAFT MOVEMENT
- THRUST POINTS: 1-2-4
- FIXED OR ADJUSTABLE STROKE
- UP TO 250 STROKES
- MECHANICAL OR ELECTRONIC 2 OR 3 AXIS TRANSFER MACHINES
- CLEARANCE RECOVERY ON ADJUSTMENT SCREWS
- HYDRAULIC SAFETY WITH ADJUSTABLE CALIBRATION
- SLIDE BALANCES WITHOUT GASKETS = NO MAINTENANCE

ACCESSORIES

- PRODUCTION MANAGEMENT CONTROL
- FORCE CONTROL
- STORAGE AND RETRIEVAL OF SET PARAMETERS
- BLANK HOLDER PADS
- GUIDES WITH SLIDE MOVEMENT ON RECIRCULATING ROLLER BEARINGS
- QUICK DIE CHANGE
- LOWER PNEUMATIC PADS
- UPPER PNEUMATIC EJECTORS
- CLAMPING RODS
- DEDICATED TRANSFER MANAGEMENT SOFTWARE
- OTHER ACCESSORIES



06

SPECIAL PRESSES

UNIQUE SOLUTIONS



Continuous investment into research and development, combined with a highly qualified technical team, has allowed us to build special presses according to our clients' specific needs.

COMPLETE LINES

TURNKEY

07

Complete turnkey lines are the fruit of many years of experience and continuous benchmarking with a perpetually evolving market.

They represent strategic commercial solutions that guarantee clients a single point of reference during plant design, commissioning and delivery phases.



LINES CAN BE EQUIPPED WITH:

01

POWER LINE

02

TRANSFER

03

DIES

04

ROBOTIC
SYSTEM
INTERFACE

05

ROBOTS WITH
LOADING AND
UNLOADING

06

INTEGRATED
LUBRICATION
SYSTEMS FOR
CONVEYOR
AND DIE

07

COOLING
SYSTEMS

A GLOBAL PRESENCE

FOR MORE THAN 60 YEARS

08

Turkey, Korea, Kazakhstan, Mexico... Each year, OTI Presse crosses a new frontier, continuously building on its knowledge and enhancing its experience through first-hand contact with the different aspects of very diverse markets.

With more than 60 years' experience in the different areas of the press forming industry, today OTI Presse is looking to the future, ready to welcome the opportunities presented by a global market, mindful of the surrounding environment and territory.



PRE-SALES SERVICE

Thanks to the professionalism of our staff and the company's broad-ranging experience, our engineers are able to develop quality solutions for all design specifications, starting from a careful analysis of client needs, the characteristics of the finished product and the materials used.

The analysis is performed in close collaboration with the client, creating a true sense of cooperation and trust which is carried through to all stages of the production process, right up until our after-sales service.

DESIGN

In order to guarantee high-quality solutions, our engineers use highly specialised software during the design phase.

DEVELOPMENT

Over the course of the years, we have developed a carefully selected list of suppliers based on criteria such as professionalism, punctuality and reliability: the primary materials and finished products we use are all guaranteed and certified.

AFTER-SALES SERVICE

Our after-sales service includes a series of routine maintenance operations scheduled on an annual basis in order to inspect the condition of machines.

The after-sales service is also provided by remote to support clients no matter where they are.

HOW WE WORK

FROM EXPERIENCE TO INNOVATION

SECTORS IN WHICH WE OPERATE >



01

AUTOMOTIVE



02

DOMESTIC



03

HOUSEHOLD
APPLIANCES



04

METAL PACKAGING



05

HARDWARE



06

COLD FORMING
AND COINING
IN GENERAL

10

QUALITY & ASSISTANCE

ALWAYS BY YOUR SIDE

Thanks to our telephone assistance service, our experts are always available to provide any information whatsoever about our products, to open tickets or start procedures for the restoration of correct machine operation.



Our engineers have expert knowledge of the products and technologies needed for different types of interventions:

- > repairs to damaged parts;
- > reproduction according to design or sample pieces;
- > specific mechanical servicing to restore best operating conditions for production.

OUR MACHINES



COMMISSIONING

MAXIMUM PRECISION, MINIMUM TOLERANCES

11





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