Products



SIMASV®

HORIZONTAL PRESS BRAKE

MADE IN ITALY

CONTENTS

infinite application in

ONE MACHINE

Bending
Straightening
Punching
Cutting
Shearing
Forming

4 ABOUT US
Since 1957



6 INDUSTRY SOLUTIONS
Customer applications



8 SUPER SERIES
Horizontal press brake



10 CNC SERIES
SIMASV Interface—CNC Bending



14 TOOLS
Standard tooling



18 CUSTOM MACHINES
Ready to use





ABOUT US

S.I.M.A.S.V. was the inventor in **1957** of horizontal hydraulic bending presses, which distinguishing features are **flexibility** and **versatility**. Due to their ease of use and maintenance and thanks to the countless tools with which they can be equipped, SIMASV bending press are suitable for use in any type of mechanical processing company.

MECHANICAL DESIGN

Each Simasv machine is a unique and **customized** product, specifically designed to fulfill every single Customer's needs and resulted from the multiple possible combinations of models, sizes and equipment. Our commitment is constantly oriented at Customer satisfaction, because we believe in a long-lasting relationship with our dealers and our direct user Clients.



PRODUCTION

Made in Italy products are a guarantee: high quality and security standards mark Simasv machinery as a product of excellence, thanks to the long time expertise gained through decades in manufacturing machines capable of becoming really favorable solutions for the market requirements.

We also offer a consulting service through our internal technical department, which is always available to study and find out the best possible solution: our goal is actually our Customer's complete satisfaction.

INDUSTRY SOLUTIONS

CUSTOMER APPLICATIONS

Various industries and sectors that require ah high production quality components put their trust in SIMASV horizontal press brake machines. See an overview of application examples here.

Agriculture



Automotive



Construction



Electricity industries



Furniture



SUPER SERIES

HORIZONTAL PRESS BRAKE

USER FRIENDLY

ENERGY SAVER

Since its groundbreaking **invention in 1957**, the SIMASV SUPER series has set the standard for hydraulic horizontal press brakes, delivering unmatched flexibility, ease of use, and long-lasting performance. Designed for reliability and robust performance, the **SUPER series** is available in a range of power capacities: **22, 40, 70, 100, 120,** and **150 Tons**, making it the perfect solution for a variety of industrial needs.

The innovative design, featuring a cylinder positioned below the work surface and hydraulically adjustable carriage movement, creates an expansive, obstacle-free work area. This unique configuration ensures **360° bending capabilities**, while providing operators with a safer, more ergonomic working position at the front of the machine.

A standout feature of the SIMASV SUPER series is the precision **micrometric and hydraulic adjustment** of the carriage, controlled effortlessly via a hydraulic flow control valve and handwheels at the front of the machine. This allows for highly **accurate bending adjustments**, enabling operators to start production immediately – no trial runs, no material waste, just optimal efficiency from the get-go.

With **user-friendly** operation, the SUPER series presses empower your team to take full advantage of their capabilities without delay, boosting productivity and ensuring top-tier results with every job.



T-22 SUPER

Key features

- ✓ **Cylinder positioned beneath the work table**: this innovative design provides a spacious, unobstructed work area, allowing the operator to work in a front-facing position for maximum safety and ergonomics. The expansive work table also offers 360° bending capacity, ensuring versatility for a variety of tasks.
- ✓ **Micrometric and hydraulic advance speed adjustment** via a hydraulic flow control valve with handwheels on the front of the machine.
- ✓ **Continuous adjustment**, even at maximum operating capacity, enables precise bending angles to be achieved immediately, eliminating the need for trial runs and material waste.
- ✓ **Forced lubrication system** via a manual pump (optional: automatic pump), ensuring smooth operation and reduced wear.
- ✓ **Tool holder pins** made from alloy steel and heat-treated for superior strength and reliability.
- ✓ **Integrated tool storage** shelves for convenient access to equipment and accessories.



T-40 SUPER

CNC SERIES

SIMASV INTERFACE—CNC BENDING

ENERGY SAVER | TOUCH SCREEN | USER FRIENDLY | HIGH CAPACITY

SIMASV CNC horizontal press brake guarantees maximum precision and provides simple, intuitive assistance during all bending operations.

The new SIMASV Interface CNC software comes with a **modern touchscreen** display designed for maximum ease of use during every stage of bending. Set up your production program: the CNC control guides you step-by-step, helping you quickly achieve your desired results with the highest precision.

Programs can be created using traditional alphanumeric input or by directly drawing 2D parts through a simple, integrated **graphic editor**. SIMASV Interface CNC software aids the operator by visually displaying the **optimal bending sequence**, ensuring even less experienced users can achieve top-quality results. It also allows you to import DXF files, including angles and radii information, and supports simulation, including the automatic or manual search for the best bending sequence.

A **tool editor** is also available through templates or DXF import.



General features

- ✓ **Fast and direct input** of angles and lengths.
- ✓ **2D graphical creation** of the bending program.
- ✓ **Workpiece development calculation**.
- ✓ **Simulator** with automatic or manual search for the best bending sequence.
- ✓ Ability to **exchange data** via USB stick or network connection with the office.
- ✓ Production time management.
- ✓ **DXF import** of parts and tools.
- ✓ **Tool editor** through templates.
- ✓ **Remote assistance** tool.

Automatic angle adjustment



The SIMASV CNC horizontal press brake can be equipped with **active angle measurement**.

After each bending process, the bend is measured with the angle measurement and is re-bent with one or more further bends.

This technology allows compensation for material fluctuations and different spring-backs in the material, allow precise and repetitive angles from the first bend, without the need to apply corrections.

Brushless backgauge

SIMASV CNC presses can be equipped with the **new brushless backgauge system**.

Via the new CNC touchscreen, you have full control of the optional 1, 2 or 3 meter backgauge for fast and accurate part positioning.

The automatic CNC-controlled backgauge enables the production of single and mass parts with significantly higher accuracy, speed and repeatability than conventional manual methods.



T SERIES

HORIZONTAL PRESS BRAKE



Technical features	T 22	T 40	T 70
Max. pressure (Ton - kN)	22-220	40 - 400	70-700
Working table dimensions (mm)	630 x 1100	620 x 1100	820 x 1720
Distance of working table from ground (mm)	925	950	1000
Max. carriage stroke (mm)	200	250	330
Max. working speed (mm/sec)	9.8	9.9	9.1
Min. working speed (mm/sec)	4.6	4.7	4.7
Return speed (mm/sec)	70	45	45
Fixing holes on working table (mm)	2 x Ø 50	2 x Ø 50	2 x Ø 80
Fix or movable pins (mm)	2 x Ø 60	2 x Ø 60	2 x Ø 80
Flat bending capacity (mm)	150x10	200 x 20	200 x 30
Extra high bending (mm)	400	400	400
Edge bending capacity (mm)	60x10	100 x 15 / 40 x 40 Ø 40	150 x 15
Pipe bending capacity (Ø)	1 ½"	2"	2 ½ "
Straightening capacity – max. Height (mm)	150	150	200
Cutting capacity (mm)	100 x 10	120 x 15	160 x 15
Hydraulic unit oil quantity (Lt)	45	45	140
Motor (Kw)	1,5	3	4
Voltage (different voltage on request)	400 V / 3 / 50 Hz.	400 V / 3 / 50 Hz.	400 V / 3 / 50 Hz.
Overall dimensions (L x W x H) (mm)	1200 x 900 x 920	1250 x 900 x 1000	1750 x 1380 x 1010
Approx. Weight (Kg)	630	750	1700

All data may be subject to change without notice.



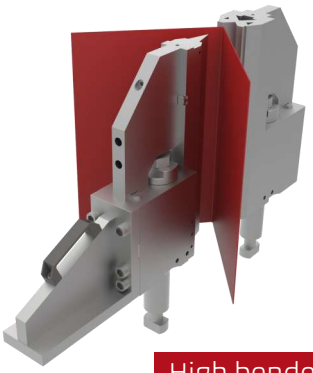
Technical features	T 100	T 120	T 150
Max. pressure (Ton - kN)	100 - 1000	120 –1200	150–1500
Working table dimensions (mm)	880 x 1900	880 x 1900	1175 x 2200
Distance of working table from ground (mm)	1050	1050	1135
Max. carriage stroke (mm)	330	330	450
Max. working speed (mm/sec)	8	7.5	7
Min. working speed (mm/sec)	4	4.1	4
Return speed (mm/sec)	35	38	33
Fixing holes on working table (mm)	2 x Ø 80	2 x Ø 100	2 x Ø 120
Fix or movable pins (mm)	2 x Ø 100	Ø 120	Ø 150
Flat bending capacity (mm)	200 x 35	200 x 40	200 x 45
Extra high bending (mm)	450	500	500
Edge bending capacity (mm)	150 x 20	150 x 20	150 x 30
Pipe bending capacity (Ø)	3"	4"	6"
Straightening capacity – max. Height (mm)	250	300	350
Cutting capacity (mm)	200 x 15	200 x 20	200 x 20
Hydraulic unit oil quantity (Lt)	160	160	150
Motor (Kw)	5,5	11	7,5
Voltage (different voltage on request)	400 V / 3 / 50 Hz.	400 V / 3 / 50 Hz.	400 V / 3 / 50 Hz.
Overall dimensions (L x W x H) (mm)	2000 x 1550 x 1050	2000 x 1550 x 1250	2000 x 1550 x 1250
Approx. Weight (Kg)	2200	2300	2800

All data may be subject to change without notice.

TOOLS

STANDARD TOOLING

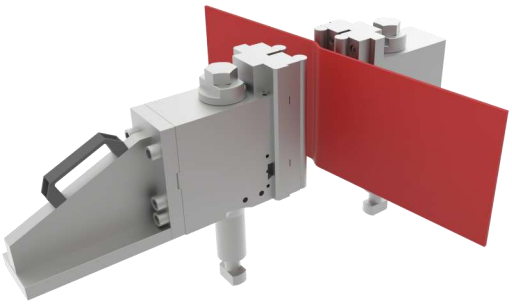
One machine, endless possibilities: SIMASV presses can be equipped with a wide variety of different tooling. Standard and customized tools are available according to the needs of the individual customer. Thanks to the wide selection, SIMASV presses are extremely versatile and suitable for a variety of uses. On these pages you will find some of the standard equipment SIMASV offers its customers.



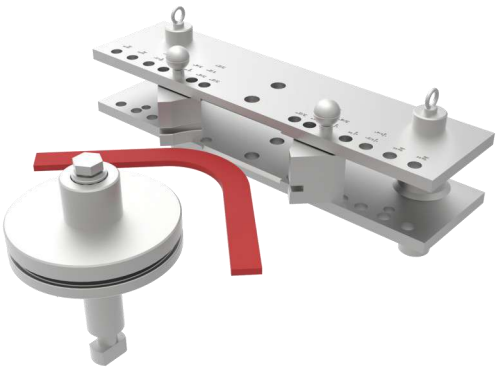
High bender



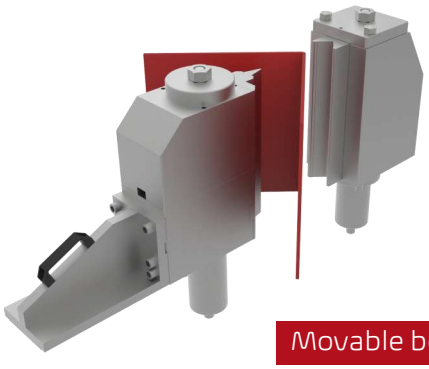
Flat bar bender



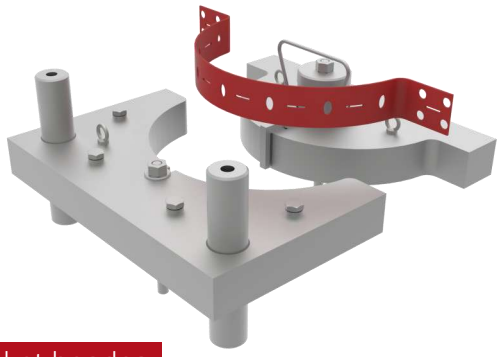
Double bender



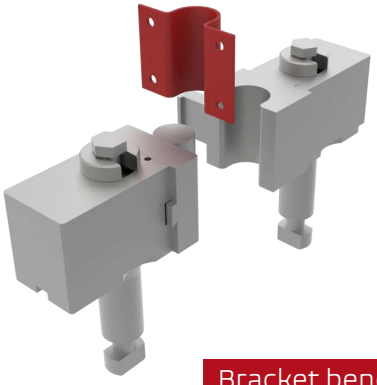
Flat bar edge bender



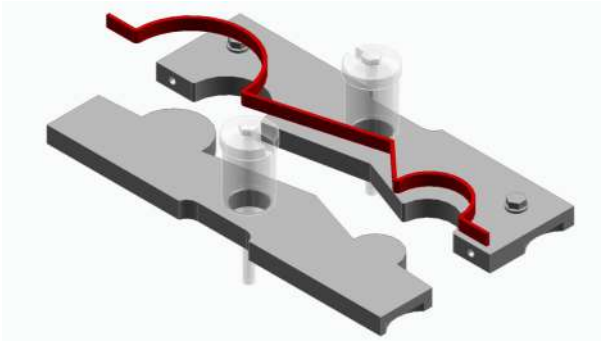
Movable bending punch



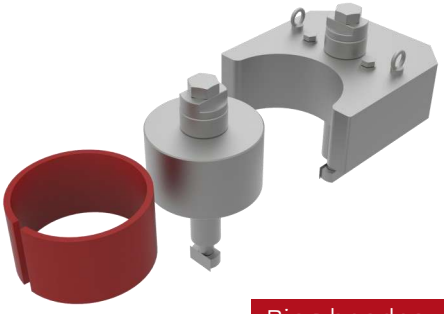
Bracket bender



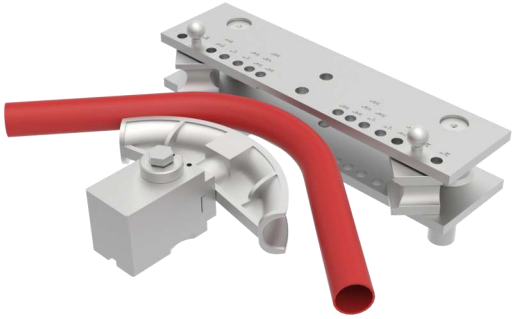
Bracket bender



Multiple shapes



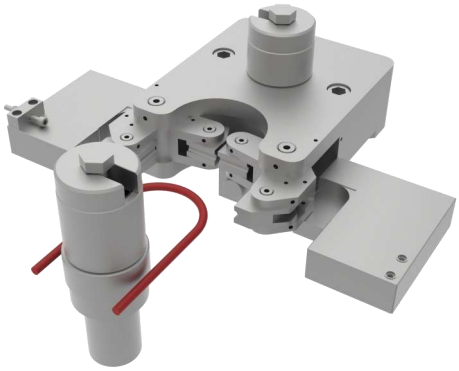
Ring bender



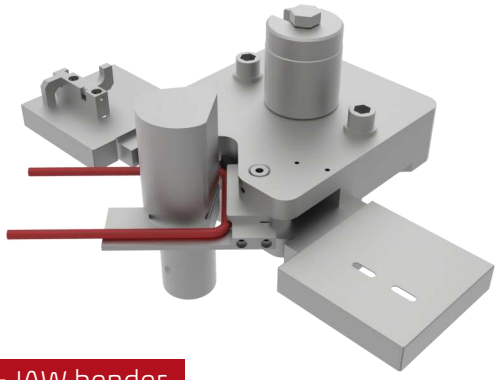
Tube bender

TOOLS

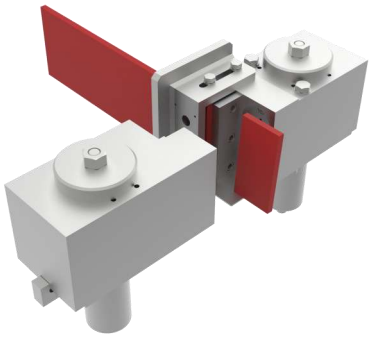
STANDARD TOOLING



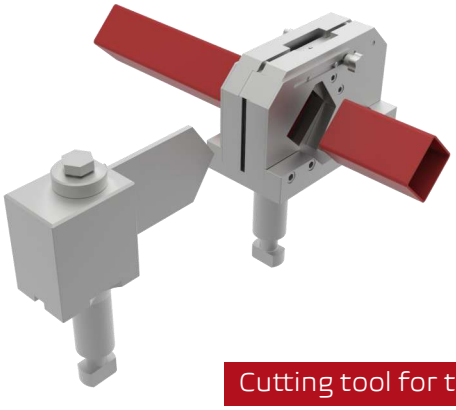
4-JAW U-bolt bender



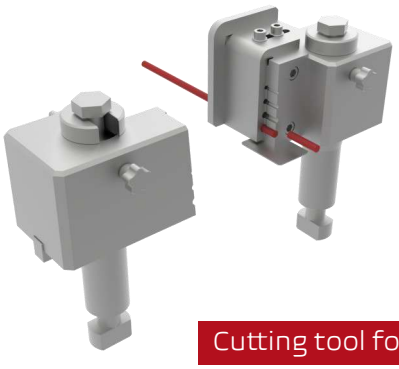
2-JAW bender



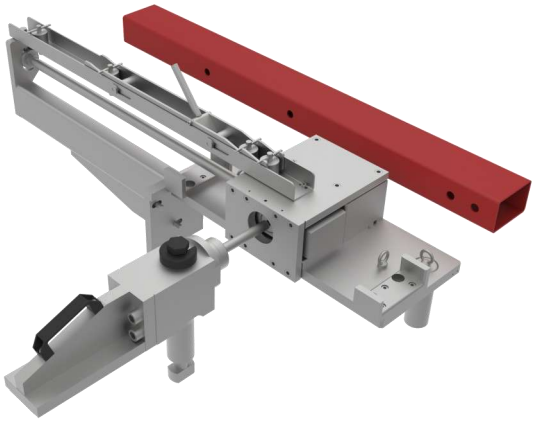
Cutting tool for flat bars



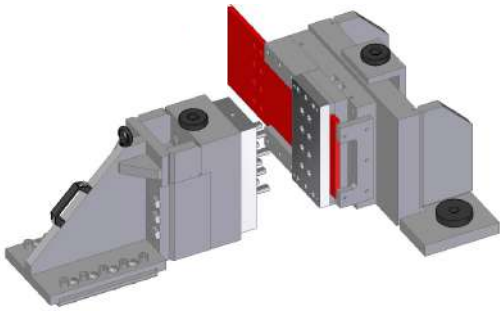
Cutting tool for tubes



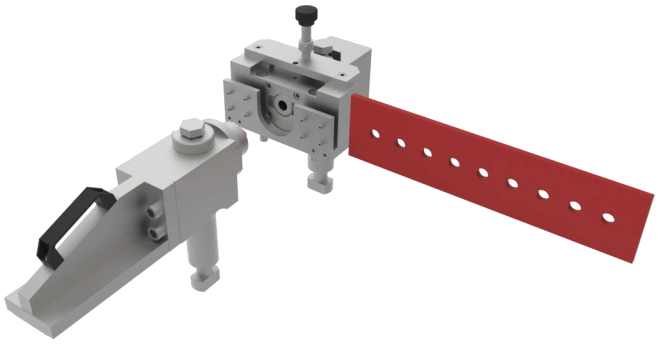
Cutting tool for bars



Tube punching unit



Multiple punching unit



Punching unit



2-JAW bender



Bar straightening tool

CUSTOM MACHINES

READY TO USE

One of our strength points is the realization of special machines meant to bend and curve any metal material.

They are designed and manufactured **on specific custom needs**, combining the best technical solution with the budget possibility of our Customers, aiming at granting top high production rates and optimizing the costs. These machines are manufactured and assembled with top quality mechanical and electronic parts in order to grant them a higher level of reliability.

In order to manufacture our custom machines, our design project service is always at your complete availability for the analysis and feasibility of your projects for cost estimate, lay-out and final realization of the required suitable machine.

The design of our special machines originates from the analysis of the workpiece according to the customer's individual needs: this way, we create tailored solutions by offering maximum **flexibility** in terms of construction and performance, with ad hoc features in order to achieve the goal.



PUNCHCUT



Rail bending and straightening press



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