

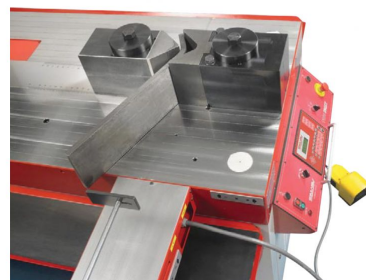
Simasv T40 DIGIT 2 Axis CNC Hydraulic Horizontal Bending Press



The Simasv CNC hydraulic horizontal bending machines are ideal for precision bending, straightening, punching and shearing. All models are equipped with powerful hydraulic cylinders located below the table providing an unencumbered working area. This is of particular benefit compared with traditional bending machines and pressbrakes as enclosed bends can be completed without colliding with the machine frame.

The programming of digitally controlled models is simple and functional and ensured via the electronic SIMplylogik type CN which, allows the operator to programme different work procedures without re-processing the piece

Available with capacities from 22 tonnes up to 100 tonnes and with a large range of tooling, these machines have proved capable of performing a whole variety of operations.



Features

- Solid work table made in special spheroid cast iron, suitably shaped to withstand loads notably superior to all bending stresses.
- Carriage of forged steel with double slides, suitably hardened, grounded and protected by dust scrapers.
- Dieholder pins made of alloy steel with rapid conical change, hardened and grounded to obtain a single body with the working surface (Patent).
- Cylinder placed under the work table.
- This peculiar design is useful when the operator needs a large work surface which must also be free of obstructions.
- In this way the operator can control the working process from a frontal point, therefore in a safer and more ergonomic position. Furthermore, the large work surface allows a bending capacity of almost 300°.
- Hydraulic single block power unit at servo-valve positioning and with the possibility of adjusting the pressure.
- Shielding of electric wiring and testing of electromagnetic conductivity according to “CE” norms.
- Forced lubrication through automatic electric pump.
- Automatic conventional cooling system of the hydraulic unit (COOL).
- Electric pedal control at low voltage (24V.) and push-button safety control timer.
- Roomy side tool holder shelves.
- Program and micrometer stroke adjustment through electronic NC SIMplylogik by SIMASV®, even under the highest working pressure, so as to obtain the desired bending angle without trials and samples. Thanks to this system, the machine is also suitable for the construction of prototypes and for mass productions.
- 35-key touch screen keyboard, led 16x2 characters, an "X" axis stroke (punch), un “Y” axis side stroke positioner.
- LCD high light and resolution monitor.
- Full visualisation of all working functions
- "X" axis stroke (punch)
- “Y” axis side stroke positioner
- 550 memory programs in “X” axis and in “Y” axis
- program with 15 different lines for each axis (which can be repeated 999 times).
- Angle bending programming in grades or mm by setting the coefficient of elastic feedback of the material.
- Selection among 5 languages.
- Conversion of metric system ("millimetres") in "inches".
- Positioning accuracy during the bending process: ± 0.1 mm.
- Linear line measurement system for "NC" at high resolution and unlimited use
- Approach feed speed adjustment through flow control valve electrically driven and CN automatic control.
- Program selector: manual, semiautomatic, automatic.
- USB port for downloading programs on an external memory stick for saving and/or input data (optional)

Technical Specification

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| MODEL | T40 DIGIT 2 |
| Table size mm | 625 x 1100 |
| Height of workbench from ground mm | 950 |
| Max operating pressure ton | 40 |
| Max stroke of mobile punch mm | 250 |
| Mobile punch stroke adjustment | YES |
| Mobile punch advance and retrieval speed mm/min | 1750 - 1980 |
| Mobile punch operating speed mm/min | 470 |
| Speed selection device | YES |
| Min & max axis base between mobile & fixed pins mm | 120 - 370 |
| Press bending capacity mm | 120 x 25 |
| Tool holding pins - height mm | 120 |
| Tool holding pins - diameter mm | 55 - 63 opt. |
| Mobile & fixed pins - height mm | 120 |
| Mobile & fixed pins - diameter mm | 55 - 63 opt. |
| Hydraulic power unit Lt | 50 |
| Slide lubrication | Automatic |
| Motor kW | 3 |
| No of slide tool shelves | 2 |
| Auxiliary lateral holes on workbench | YES |
| Length mm | 1150 |
| Width mm | 2365 |
| Height mm | 950 |
| Weight kg | 1000 |