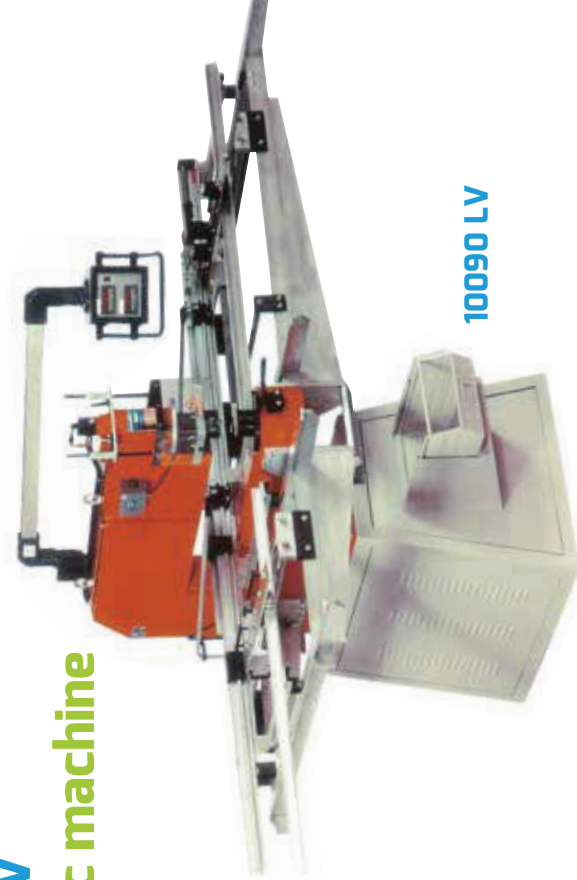


10090 L - 10090 LV

Punching hydraulic machine

20 Ton


10090 LV

Technical Characteristics

Maximum depth	900 mm
Power	200 kN (20 Ton)
Amount of oil required for a full stroke	0,18 lt.
Max. dia of hole	Ø 170 mm
Max round hole	138x138 mm
Working pressure	700 bar
Length max	1850 mm
Width	3020 mm
Height with base	1680 mm
Distance between punches	50 mm
Punch stroke	65 mm
X Axis stroke	1.500 mm
Y Axis stroke	900 mm
Approx. Weight	1527 Kg

MAX. THICKNESS

Sheet steel	2,0 mm
Stainless steel	1,8 mm
Aluminium	5 mm
Plastic laminate	5 mm

In the **10090LV** the measures detector takes place through bidirectional heads on a measuring stripe (accuracy $\pm 0,1$ mm)

N.B. Shifting of the axis is manual.

The hydraulic punching machine with visualizer is supplied with a plug.

Supply	220V/240V
Frequency	50/60Hz

HYDRAULIC PUNCHING MACHINES

The punching machine is supplied with the following items:

- N. 1 punch holder** (code 10101L) for round dies up to Ø 40,5 mm max.
- N. 1 die holder flange** (code 10191) for round dies up to Ø 40,5 mm max, for square dies up to Ø 26 mm max. and rectangular dies or specials with max dimension within 37 mm. dia.

- N. 2 series of extractors** (code 10141 - 10142) for the extraction of punch from the steel
- N. 1 punch holder lock nut** Ø 28 mm (cod. 10171)
- N. 1 metal basement** (code 10100/90)
- N. 1 positioning valve** (code 9162).

The MULTIFOR hydraulic punching machines, which combine high power with compact dimensions, are built to resolve the problems of making holes in panels, lids, sheet steel, aluminium strip or plastic. These units are studied exclusively for making holes. They are quick and practical as they avoids marks working on a special rail system of X-Y axis, on which the panel board is fixed. The pre-hole is not necessary.

With the special punches, you can realize the following holes: **round, square, rectangular, shaped, round with more holes, square with round holes, rectangular with round holes, tools for ventilation slots**, etc.

The MULTIFOR punching machines can be connected with a rapid connector to the MULTIFOR electric units.

These units can be also used in small workshop due to their versatility and small size.

All our hydraulic punching machines are equipped with carter protection, safety micro switch and electric micro end-stroke.

The dies assembly is very simple and it is not necessary to take away the panel board.

In order to reduce the working cycles, a rise stroke regulator allows to reduce the opening between the punch and the die.

Hydraulic punching machine 10098

With PLC X-Y axis control

It is a punching machine with same features as the standard version.

In addition, it is equipped with re-circulating ball screw and motors for axis shifting.

This programmable logic control permits to carry out complete automatic working cycles with pauses for changing the tools. With the menu all the positioning operations, single or automatic, can be performed. Storage up to 96 programs of 30 steps each.

All operations are readable on a display. The



Electric cabinet for axis-control with PLC.

control board is complete with feeding and start-stop-alarm, axis shifting manual control.

The hydraulic punching machine is equipped with safety barrier and photocells. The visualizer is calibrated by the manufacturer in order to visualize dimensions with absolute values. However the operator can set the value 0 (zero) and use the visualizer for movements with incremental values.