NANNETTI

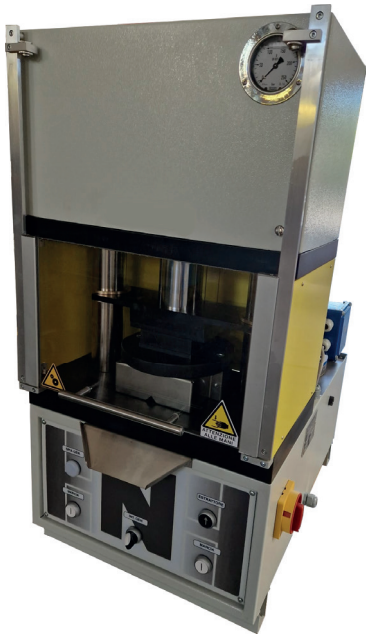
LABORATORY PRESS

MIGNON - S
MIGNON - SS

MIGNON-S
[20 TON]

DESCRIPTION

Built in a compact and elegant structure of steel painted with epoxy paints cooked at 180 C°, they are fully hydraulic and are suitable for the production of samples in the laboratory.
The pressing force is exerted through a hydraulic cylinder placed on the upper part of the press and on which the appropriate punch is installed.
The mold, placed on the work surface, is manually filled with the powder to be pressed and after pressing the sample obtained is extracted by a piston placed in the lower part.
The pressing force is manually adjustable and is displayed by means of a pressure gauge placed in the upper front part of the machine.



MIGNON-SS
[40 TON]

CONTROL PANEL

The front panel, to operate with the machine, presents:
- indicator light (shows if the machine is on or off)
- main switch
- two-handed control system
- extraction button

TECHNICAL CHARACTERISTICS										
Mod.	A	B	C	Motor	V + N	Hz	Power	Piston	Bar	Weight
	mm	mm	mm	kW			[ton]	[Ø]	[max]	[kg]
MIGNON-S	440	580	840	1,3	400	50/60	20	150	120	150
MIGNON-SS	700	710	890	2			40		227	242

(all data are not binding, the manufacturer reserves the right to modify them)

Supplied with:
- screed
- allen keys for mold assembly / disassembly

Not included:
- mold, supplied at the customer's choice among the various available dimensions

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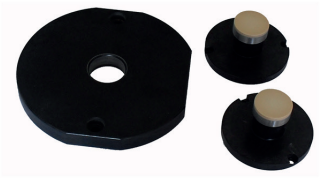
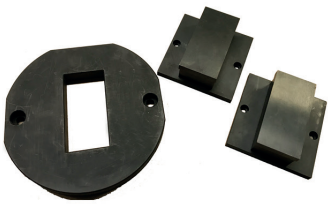
On these models of laboratory presses the molds are interchangeable and can be supplied in the following standard dimensions:





Molde available on request:

special molde Ø 40 mm.
with sintered Zirconium Ox punch

NOTE
The moulds currently supplied are suitable for use with a maximum pressure on the shape of 1700 Kg/cm²

IMPORTANT
For proper press operation, the pressure range of the circuit at which you can operate must be within between:

- 30 bar and 120 bar (MIGNON-S)
- 30 bar and 210 bar (MIGNON-SS)

MOULDS IN STANDARD FORMAT							
Shape size	Mould thickness	MIGNON S [20ton]	MIN on the shape	MAX on the shape	MIGNON SS [40ton]	MIN on the shape	MAX on the shape
mm	mm		kg/cm²			kg/cm²	
Ø 40	23	•	425	1680	•	425	1700
Ø 50	23	•	270	1075	•	270	1700
30x80	23	•	221	880	•	221	1540
40x60	23	•	221	880	•	221	1540
50x50	23	•	212	840	•	212	1480
50x100	23	•	106	420	•	106	740
55x110	23	•	88	350	•	88	610
100x100	23	/	/	/	•	53	370
on request according compatibility	23	•			•		

Calculation example:
Piston diameter = 150 mm
Piston area= 176,63 cm²
Shape area = 50 cm²
Desired pressure on the shape = 400 Kg/cm²

Circuit pressure: (400 x 50)/176,63 = 113,23 bar (pressure value to be set)