NANNETTI

LABORATORY PRESS

MIGNON - SSN/EA
MIGNON - SSN/EAS
MIGNON LP40-EA

MIGNON-SSN/EA
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DESCRIPTION

Built in a compact and elegant structure of steel painted with epoxy paints cooked at 180 ° C, it operates entirely hydraulically and is completely automatic except for the loading of the material to be pressed.
It is a suitable tool, **designed for an intermittent use**, 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 means of a piston placed in the lower part.

MIGNON-LP40/EA

TECHNICAL SPECIFICATIONS

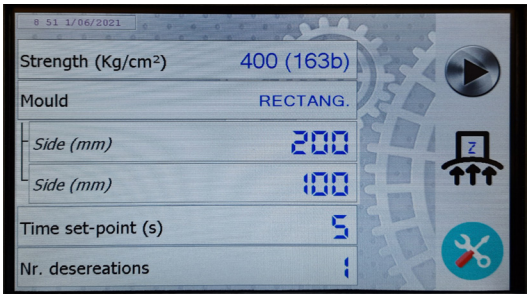
- Hydraulic operated pressing cylinder
- Hydraulically operated extractor cylinder
- Hydraulic power unit with automatic adjustment of the working pressure
- Electronic control unit that allow the press to work automatically
- Front lexan protection with safety microswitch
- Double hydraulic circuit

ELECTRONIC CONTROL UNIT

Functions:
- Visualization of the pressure on the display
- Programming of the working pressure
- Programming up to three thicknesses of soft[1]
- Programming of the residence time at the maximum pressure set
- Programming of deaeration
- Start of the automatic pressing cycle

1 that is, the possibility of being able to press three types of powder at the same time and therefore electronically adjust the thickness of the powders in the mold

ELECTRONIC CONTROL UNIT TOUCH SCREEN



Functions:
- Visualization of the pressure on the display
- Programming up to three thicknesses of soft[1]
- Manual programming of the working pressure
- Programming of the residence time at the maximum pressure set
- Programming of deaeration
- Memorization of the mold dimensions
- Programming the Kg/cm² desired in the pressing[2]
- display of the Kg/cm² of force and relative working pressure, according to the format
- Start of the automatic pressing cycle
- **predisposition with Ethernet and USB port for industry 4.0**

1 that is, the possibility of being able to press three types of powder at the same time and therefore electronically adjust the thickness of the powders in the mold
2 the control unit will automatically adjust the working pressure

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TECHNICAL CHARACTERISTICS										
Mod.	Width	Depth	Height	Engine	V + N	Hz	Power	Piston	Bar	Weight
	mm	mm	mm	kW			[ton]	[Ø]	[max]	[kg]
MIGNON-SSN/EA	570	710	890	2,5	400	50/60	40	150	220	254
MIGNON-LP40/EA	550	720	1000				40	150	220	256
MIGNON-SSN/EAS	580	850	970				60	180	220	285

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

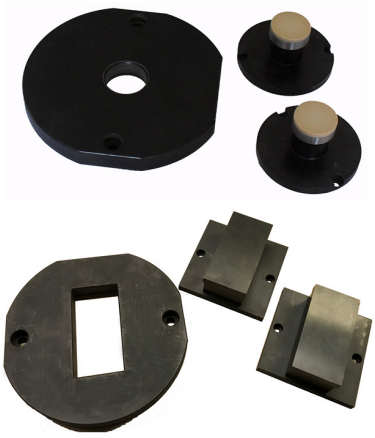
Supplied with:

- screed
- allen keys for mold assembly / disassembly

Not included:

- mold, supplied at the customer's choice among the various available dimensions

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

MOULDS IN STANDARD FORMAT								
Shape size	Mould thickness	MIGNON SSN/EA-LP40-EA [40ton]	MIN on the shape	MAX on the shape	MIGNON SSN/EAS [60ton]	MIN on the shape	MAX on the shape
mm	mm		kg/cm²			kg/cm²	
Ø 40	30	•	425	1700	•	610	1700
Ø 50	30	•	270	1700	•	390	1700
30x80	30	•	221	1540	•	320	1700
40x60	30	•	221	1540	•	320	1700
50x50	30	•	212	1480	•	305	1700
50x100	30	•	106	740	•	155	1065
55x110	30	•	88	610	•	126	880
100x100	30	•	53	370	•	80	530
150x100	30	/	/	/	•	50	356
on request according compatibility	30	•			•		

IMPORTANT
For proper press operation, the pressure range of the circuit at which you can operate must be within between 30 bars and 210 bars

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)