

# ***LAB MANUAL PRESSES***

*Professional Laboratory*

*Rubber & Plastics*

*Processing Equipment*



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## Description

Lab Manual Compression Molding Machine is a economical device that compresses polymer materials by driving the pressing plate with a manual hydraulic unit. It allows the mold filled with plastic or rubber materials, or individual materials to be pressed between two heated platens. When operated, you need to press the handle of the manual hydraulic pump back and forth repeatedly to raise the lower platen upward until touching the upper platen and applying increasing forces. After the specified pressure is reached, it is required to be maintained for a given period of time to compress the plastic material into a sheet or to complete the vulcanization of the rubber mixtures for subsequent testing.

## Main Technical Specifications

Model	AT-R7026C series
Load capacity	10t / 20t / 30t
Pressurization method	Manual
Platen material	SKD mold steel
Platen surface treatment	Mirror chrome plating
Platen hardness	HRC60
Platen area	220 x 220 mm or customized
Parallelism	$\cong \pm 0.02\text{mm/m}$
Temperature range	Ambient temp.~ 300°C
Temperature accuracy	$\cong 2^\circ\text{C}$
Heating mode	Electrical heating
Controller	Microprocessor + buttons
Dimensions	610 mm (W) x 570 mm (D) x 900 mm (H)
Power supply	Single-phase, AC 220 V
Weight	Appr. 150 kg