
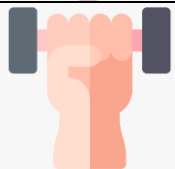
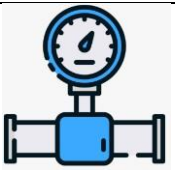





## **Lab Tablet Press Machine Series**





### *Precision Tablet Compacting for Laboratories and R&D*

Our Lab Tablet Press Machine series offers a versatile lineup of bench-top presses for precise powder compaction, suitable for pharmaceuticals, materials development, catalysis, academic research, and more. Built with a robust 304 stainless steel frame and ergonomic design, these models deliver consistent tablet formation up to 150 mm in diameter. Their modularity across manual, protected, digital, and protective digital styles ensures flexibility and safety in diverse lab environments.

### **Key Technical Features**

	<b>Highly Versatile:</b> Supports tablet diameters from 3 mm to 150 mm using multiple mold options.
	<b>Robust, Lab-Grade Construction:</b> Durable stainless- steel frame with environmentally coated casing for longevity and aesthetics.
	<b>Accurate Pressure Control:</b> From traditional gauges to advanced digital systems for precise compaction control.
	<b>Built for Safety:</b> Protective models include enclosures to guard operators during pressing.
	<b>Compact &amp; Ergonomic:</b> Designed for countertop use, easy to operate and maintain.
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## Applications

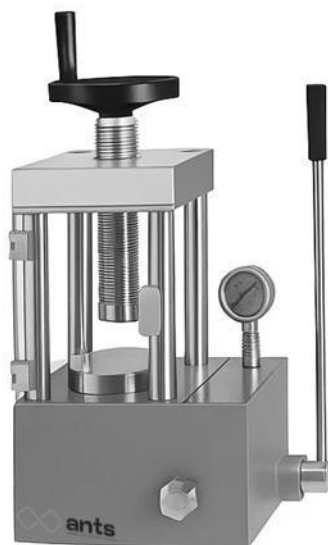
	<b>Pharmaceutical R&amp;D:</b> Tablet formulation, dosage testing, and drug prototype development.
	<b>Materials &amp; Catalysis:</b> Compression of powders into uniform discs for testing and analysis.
	<b>Academic Labs:</b> Teaching compaction science and hands-on sample prep.
	<b>Analytical &amp; Quality Control:</b> Preparing consistent tablet samples for instruments like FTIR, XRF, and spectrometers.

## Product Parameters

Type	Manual	Protective	Digital	Digital Protective
Max Pressure Range	0-40T	0-60T	0-40T	0-60T
	0-34MPa	0-34MPa	0-34MPa	0-34MPa
Piston Diameter(mm(D))	Φ35-130	Φ80-150	Φ35-130	Φ95-150
Max Piston Stroke(mm(T))	50	50	50	50
Workbench Diameter(mm(D))	Φ80-140	Φ90-160	Φ80-140	Φ90-160
Max External Dimensions(mm)	295*215*500	405*240*565	245*175*390	405*240*565
Weight(kg)	28-75	42-120	28-75	42-120



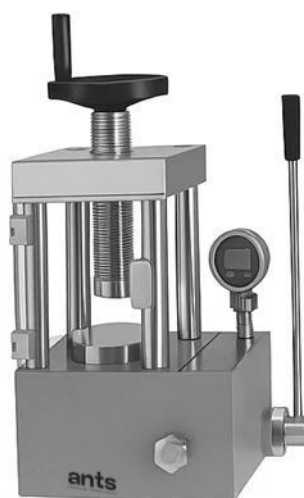
**Manual display type**



**Manual display Protective type**



**Digital display type**



**Digital display Protective type**



## Ants Ceramics Pvt. Ltd.

CIN Number U26910MH2005PTC155195

Unit No.1, Jivdani Industrial Estate No.1

Off. Western Express Highway, Dhumal Nagar, Vasai (E)

Thane – 401208, Landline No. 8600033159

Email: sales@antsceramics.com, www.antslab.in

### Product Parameters

#### Manual Display type

Model	MC-15	MC-30
Pressure range	0-15T	0-30T
Piston diameter	Φ80mm	Φ110mm
Maximum piston distance	30mm	40mm
Pressure stability	≤1MPa/10mi n	≤1MPa/10mi n
Working table diameter	Φ90mm	Φ120mm
No. of columns	4	4
Column spacing	80*130mm	92*160mm
Dimensions (mm)	245*175*390	275*195*420
Weight	40kg	56kg

#### Safety Precautions:

**Read the Manual Thoroughly:** Familiarize yourself with the machine's operating instructions before use. Each model has specific features, such as manual or digital pressure reading and protective shields, which must be understood for safe operation.

**Wear Personal Protective Equipment (PPE):** Always wear safety goggles, gloves, and a lab coat to protect against accidental splinters, fine powder particles, or slips during pressing.

**Ensure Stable Setup:** Place the press on a flat, vibration-free, and non-slip surface. An unstable placement may cause uneven pressure distribution or tip-over accidents.

**Avoid Overloading:** Do not exceed the maximum pressure capacity of the machine. Overloading can cause structural stress, cracks in molds, or sudden failure, posing serious hazards.



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**Keep Hands Clear of the Pressing Area:** Before applying pressure, make sure hands, fingers, and tools are well away from the die and pressing chamber. Only handle samples once the pressing cycle is complete.

**Inspect Before Use:** Check dies, molds, and pressing components for wear, cracks, or contamination. Damaged parts should be replaced immediately to prevent accidents and ensure uniform results.

**Use Safety Shields:** For models equipped with a protective shield or enclosure, always keep it in place. It acts as a barrier against accidental material ejection or contact during pressing.

**Emergency Stop Awareness:** For digital models with emergency stop functionality, ensure you know its location and operation. This provides a quick shutdown in case of irregular pressure build-up or malfunction.

**Restrict Unauthorized Access:** Only trained personnel should operate the press. Keep it away from children, unauthorized users, and crowded areas to minimize risks.