



KINTEK SOLUTION

## Manual Lab Press Catalog

Contact us for more catalogs of [Sample Preparation](#), [Thermal Equipment](#), [Lab Consumables & Materials](#), [Bio-Chem Equipment](#), etc...

# KINTEK SOLUTION

## COMPANY PROFILE

### >>> About Us

Kintek Solution Ltd is one technology orientated organization, team members are devoted to probing the most efficient and reliable technology and innovations in the scientific researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vacuum creating, refrigerating, as well as pharmaceutical and petroleum extracting equipment.

In the past 20 years, we earned rich experiences in this researching equipment field, we are capable to supply both the equipment and solution according to customer's needs and realities, we have also developed lots of customer tailored equipment according to a specific working purpose, and we have lots of successful projects in many universities and institutes from different countries, like Asia, Europe, North and South America, Australia and New Zealand, Middle East, and Africa.

Profession, quick response, hard working, and sincerity is a remarkable label of our team members working attitude, which earn us a sound reputation among our clients.

We are here and ready to service our clients from different countries and regions, and share the most efficient and reliable technology together!



# Manual Lab Hydraulic Pellet Press 12T / 15T / 24T / 30T / 40T

Item Number: PCMP

## Introduction

Efficient sample preparation with small footprint Manual Lab Hydraulic Press. Ideal for material researching labs, pharmacy, catalytic reaction, and ceramics.

[Learn More](#)



Instrument model	PCMP-2T	PCMP-5T	PCMP-12T
Pressure range	0-2T (25MPa)	0-5T(0-31.4MPa)	0-12T(0-30MPa)
Piston diameter	Φ32mm (d)	Φ45mm (d)	Φ70mm (d)
Integral structure	No sealing connection, oil leakage reduced	No sealing connection, oil leakage reduced	No sealing connection, oil leakage reduced
Pressure gauge	Pressure and pressure intensity display	Pressure and pressure intensity display	Pressure and pressure intensity display
Maximum pressure (T)	30mm	30mm	30mm
Pressure stability	≤1MPa/10min	≤1MPa/10min	≤1MPa/10min
Workbench diameter	Φ50mm (D)	Φ80mm (D)	Φ80mm (D)
Number of columns	Two	Two	Two
Working space	85×120mm(M×N)	96×130mm(M×N)	96×130mm(M×N)
Dimensions	210×150×350mm(L×W×H)	225×155×380mm(L×W×H)	225×155×380mm(L×W×H)
Weight	12 Kg	28Kg	28Kg

# Manual Lab Hydraulic Pellet Press With Safety Cover 15T / 24T / 30T / 40T / 60T

Item Number: PCF



## Introduction

Efficient Manure Lab Hydraulic Press with Safety Cover for sample preparation in material research, pharmacy, and electronic industries. Available in 15T to 60T.

[Learn More](#)

Instrument model	PCF-15T
Pressure range	0-15T(0-30MPa)
Piston diameter	Φ80mm (d)
Pressure gauge	Pressure and pressure intensity display
Maximum pressure (T)	30mm
Protective cover	Plexiglass
Pressure stability	≤1MPa/10min
Workbench diameter	Φ90mm (D)
Number of columns	Four
Working space	80×130mm(M×N)
Dimensions	260×175×395mm(L×W×H)
Weight	42Kg
<b>Force</b>	<b>Pressure</b>
1[Tons]	0.75[MPa]
3[Tons]	2.2[MPa]
5 [Tons]	3.7[MPa]
10[Tons]	7.5[Mpa]

12[Tons]	9[MPa]
15[Tons]	11.3[MPa]
20[Tons]	15[MPa]
30[Tons]	22.5[MPa]
40[Tons]	30[MPa]

Note: The system pressure intensity shouldn't exceed 35 MPa, or else it will shorten the service life of the equipment.

# Integrated Manual Heated Lab Pellet Press 120Mm / 180Mm / 200Mm / 300Mm

Item Number: PCY



## Introduction

Efficiently process heat-pressing samples with our Integrated Manual Heated Lab Press. With a heating range up to 500°C, it's perfect for various industries.

[Learn More](#)

Instrument model	PCY-5T1212	PCY-10T1818	PCY-10T2020	PCY-15T3030
Pressure Range	0-5.0 tons	0-10.0 tons	0-10.0 tons	0-15.0 tons
Piston diameter	50mm (d) in chrome plated oil cylinder	65mm (d) in chrome plated oil cylinder	65mm (d) in chrome plated oil cylinder	95mm (d) in chrome plated oil cylinder
Main overall structure	Equipment without sealed connections to reduce oil leakage points	Equipment without sealed connections to reduce oil leakage points	Equipment without sealed connections to reduce oil leakage points	Equipment without sealed connections to reduce oil leakage points
Mold heating temperature	Room temperature -300.0C/500.0C	Room temperature-300.0C/500.0C	Room temperature-300.0C/500.0C	Room temperature-300.0C/500.0C
Holding time	1 second~0 seconds	1 second~0 seconds	1 second~0 seconds	1 second~0 seconds
Precision	0.1°C	0.1°C	0.1°C	0.1°C
Insulation method	Imported insulation board	Imported insulation board	Imported insulation board	Imported insulation board
Cooling method	Quick cooling with water cooling [optional water cooling machine]	Quick cooling with water cooling [optional water cooling machine]	Quick cooling with water cooling [optional water cooling machine]	Quick cooling with water cooling [optional water cooling machine]
Hot platen size	Double plate heating 120×120mm(M×N)	Double plate heating 180×180mm(M×N)	Double plate heating 200×200mm(M×N)	Double plate heating 300×300mm(M×N)
Workspace	140×140×60mm	180×180×60mm	200×200×60 mm	300×300×65mm
Dimensions	250×230×390mm(L×W×H)	290×290×420mm(L×W×H)	320×290×420mm(L×W×H)	450×420×450mm(L×W×H)
Power supply	700W(220V/110V can be customized)	1000 W(220V/110V can be customized)	1200 W(220V/110V can be customized)	3000 W(220V/110V can be customized)
Weight	55 Kg	90 Kg	95Kg	180Kg
Dimensional diagram of powder tablet press	See picture below	See picture below	See picture below	See picture below

# Split Manual Heated Lab Pellet Press 30T / 40T

Item Number: PCSM



## Introduction

Efficiently prepare your samples with our Split Manual Heated Lab Press. With a pressure range up to 40T and heating plates up to 300°C, it's perfect for various industries.

[Learn More](#)

Instrument model	PCSM-30T3030	PCSM-40T4040
Pressure Range	0-30.0 tons	0-40.0 tons
Piston diameter	130mm (d) in chrome plated oil cylinder	130mm (d) in chrome plated oil cylinder
Main overall structure	Equipment without sealed connections to reduce oil leakage points	Equipment without sealed connections to reduce oil leakage points
Mold heating temperature	Room temperature-300.0C/500.0C	Room temperature-300.0C
Holding time	1 second to 0 seconds	1 second to 0 seconds
Precision	0.1°C	0.1°C
Insulation method	Imported insulation board	Imported insulation board
Cooling method	Quick cooling with water cooling [optional water cooling machine]	Quick cooling with water cooling [optional water cooling machine]
Hot platen size	300×300mm (M×N)	400×400mm(M×N)
Host size	380×350×600mm(K×P×H)	500×480×650(K×P×H)
Dimensions	700×400×600mm(L×W×H)	800×480×650(L×W×H)
Power supply	3000 W(220V/110V can be customized)	5000 W(220V/110V can be customized)
Weight	260 Kg	460Kg
Dimensional diagram of powder tablet press	See picture below	See picture below

# Manual Cold Isostatic Pellet Press (Cip) 12T / 20T / 40T / 60T

Item Number: PCIM



## Introduction

Lab Manual Isostatic Press is a high-efficient equipment for sample preparation widely used in material research, pharmacy, ceramics, and electronic industries. It allows for precision control of the pressing process and can work in a vacuum environment.

[Learn More](#)

Instrument model	PCIM-12T	PCIM-20T	PCIM-40T	PCIM-60T
Pressure Range	0-12T(0-17MPa)	0-20T(0-21MPa)	0-40T(0-30MPa)	0-60T(0-34MPa)
Piston diameter	95mm (d) in chrome plated oil cylinder	110mm (d) in chrome plated oil cylinder	130mm (d) in chrome plated oil cylinder	150mm (d) in chrome plated oil cylinder
Pressure gage	Pressure and pressure dual scale display	Pressure and pressure dual scale display	Pressure and pressure dual scale display	Pressure and pressure dual scale display
Maximum piston stroke (T)	40mm	40mm	50mm	50mm
Guard	Organic glass	Organic glass	Organic glass	Organic glass
Ambient temperature	10°C-40°C	10°C-40°C	10°C-40°C	10°C-40°C
Isostatic pressure	0-300MPa	0-300MPa	0-300MPa	0-300MPa
Isostatic pressure chamber	Φ22×70mm(M×N)	Φ30×120mm(M×N)	Φ40×150mm(M×N)	Φ50×150mm(M×N)
External dimensions	305×195×530mm(L×W×H)	305×195×600mm(L×W×H)	355×215×710mm(L×W×H)	405×240×720mm(L×W×H)
Equipment weight	90Kg	100Kg	130Kg	180Kg

Pressure conversion		
Actual pressure	Chamber pressure	System pressure
1.7 [Tons]	1.86 [MPa]	25 [MPa]
3.5 [Tons]	3.72 [MPa]	50 [MPa]
5 [Tons]	5.57 [MPa]	75 [MPa]
7 [Tons]	7.43 [MPa]	100 [MPa]
8.7 [Tons]	9.29 [MPa]	125 [MPa]
10.5 [Tons]	11.2 [MPa]	150 [MPa]
14 [Tons]	14.8 [MPa]	200 [MPa]
17.5 [Tons]	18.6 [MPa]	250 [MPa]
21 [Tons]	22.3 [MPa]	300 [MPa]

Reminder: Generally, the system pressure should not exceed 35MPa, otherwise it will affect the service life of the equipment.



## Kbr Pellet Press 2T

Item Number: PCKBR



### Introduction

Introducing the KINTEK KBR Press - a handheld laboratory hydraulic press designed for entry-level users.

[Learn More](#)

Model	PCKBR-2T
Working pressure(T)	0-2(30Mpa)
Piston diameter	≤1MPa/10min
Workbench diameter	Φ45mm(D)
Number of columns	Two
Working space	54×55 (M×N)
Dimensions	100×220×220(W×L×H)
Weight(kg)	4.8kg

## Manual Lab Pellet Press For Vacuum Box

Item Number: PCVM



### Introduction

The lab press for vacuum box is a specialized piece of equipment designed for laboratory use. Its main purpose is to press pills and powders according to specific requirements.

[Learn More](#)

Instrument model	PCVM-10T
Pressure Range	0-10.0 tons
Pressurization process	Manual pressurization
Holding time	1 second~0 seconds
Heating temperature	Maximum 500°C
Heating plate	180x180mm□200x200mm
Vacuum box material	SUS 304 (stainless steel)
Studio Size	400x400x400mm
Door size	300x350mm
Vacuum degree	-0.1MPa
Dimensions	450x550x850(LxWxH)
powersupply	220V50Hz (can support 110V)



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