



KINTEK SOLUTION

Xrf Pellet 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

Electric Hydraulic Pellet Press For Xrf & Kbr 20T / 30T / 40T / 60T

Item Number: PCPE



Introduction

Efficiently prepare samples with the Electric Hydraulic Press. Compact and portable, it's perfect for labs and can work in a vacuum environment.

[Learn More](#)

Instrument model	PCPE-20T	PCPE-30T	PCPE-40T	PCPE-60T
Pressure range	0-20T(0-28MPa)	0-30T(0-31.5MPa)	0-40T(0-30MPa)	0-60T(0-33MPa)
Piston diameter	Φ95mm (d)	Φ110mm (d)	Φ130mm (d)	Φ150mm (d)
Integral structure	No sealing connection, oil leakage reduced	No sealing connection, oil leakage reduced	No sealing connection, oil leakage reduced	No sealing connection, oil leakage reduced
Pressure gauge	Digital display 0.00-40.00 MPa	Digital display 0.00-40.00 MPa	Digital display 0.00-40.00 MPa	Digital display 0.00-40.00 MPa
Maximum pressure (T)	30mm	40mm	50mm	50mm
Pressure stability	≤1MPa/10min	≤1MPa/10min	≤1MPa/10min	≤1MPa/10min
Pressurization mode	Electric / manual	Electric / manual	Electric / manual	Electric / manual
Compensation mode	Auto/ manual	Auto/ manual	Auto/ manual	Auto/ manual
Workbench diameter	Φ105mm (D)	Φ120mm (D)	Φ140mm(D)	Φ160mm (D)
Number of columns	Four	Four	Four	Four
Working space	80×150mm(M×N)	92×160mm(M×N)	115×185mm(M×N)	185×250mm(M×N)
Dimensions	245×415×415mm(L×W×H)	275×430×420mm(L×W×H)	295×450×500mm(L×W×H)	405×470×565mm(L×W×H)
Power supply	220V(50Hz/60Hz)	220V(50Hz/60Hz)	220V(50Hz/60Hz)	220V(50Hz/60Hz)
Weight	58Kg	72Kg	92Kg	140Kg

Force	Pressure
1 [Tons]	1.41 [MPa]
2 [Tons]	2.82 [MPa]
3 [Tons]	4.23 [MPa]
5 [Tons]	7.06 [MPa]
8 [Tons]	11.3 [MPa]
10 [Tons]	14.1 [MPa]
12 [Tons]	17 [MPa]
15 [Tons]	22.6 [MPa]

20 [Tons]

28 [MPa]

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

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
Force	Pressure
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.

Xrf Boric Acid Lab Powder Pellet Pressing Mold

Item Number: PMXB



Introduction

Get accurate results with our XRF Boric Acid lab Powder Pellet Pressing Mold. Perfect for preparing samples for X-ray fluorescence spectrometry. Custom sizes available.

[Learn More](#)

Model	PMXB-A
Material	Cr12MoV
Indenter hardness	HRC60-HRC62
Sample size	φ32 / φ40 mm
Cavity depth	45 mm
External dimensions	φ73×133 mm
Weight(Kg)	3.2

Other sizes can be customized

Xrf & Kbr Steel Ring Lab Powder Pellet Pressing Mold

Item Number: PMXS



Introduction

Produce perfect XRF samples with our steel ring lab powder pellet pressing mold. Fast tableting speed and customizable sizes for accurate molding every time.

[Learn More](#)

Model	PMXS-A
Material	Cr12MoV
Indenter hardness	HRC60-HRC62
Sample size	φ32 / φ40 mm
Cavity depth	45 mm
External dimensions	φ73×133 mm
Weight(Kg)	3.2

Other sizes can be customized

Xrf & Kbr Plastic Ring Lab Powder Pellet Pressing Mold

Item Number: PMXP



Introduction

Get precise XRF samples with our plastic ring lab powder pellet pressing mold. Fast tableting speed and customizable sizes for perfect molding every time.

[Learn More](#)

Model	PMXP-A
Material	Cr12MoV
Indenter hardness	HRC60-HRC62
Sample size	<φ50 mm
Sample thickness	0.02-0.1 mm
External dimensions	φ200×50 mm
Weight(Kg)	3

Other sizes can be customized

Automatic Lab Xrf & Kbr Pellet Press 30T / 40T / 60T

Item Number: PMXA



Introduction

Fast and easy xrf sample pellet preparation with KinTek Automatic Lab Pellet Press. Versatile and accurate results for X-ray fluorescence analysis.

[Learn More](#)

Instrument model	PMXA-30T	PMXA-40T	PMXA-60T
Pressure Range	1-30.0 tons	0-40.0 tons	0-60.0 tons
Pressurization process	Program pressurization - Program pressure maintaining - Timed pressure relief-Automatic sample withdrawal	Program pressurization - Program pressure maintaining - Timed pressure relief-Automatic sample withdrawal	Program pressurization - Program pressure maintaining - Timed pressure relief-Automatic sample withdrawal
Hold time	1 second to 0 seconds	1 second to 0 seconds	1 second to 0 seconds
Pressure conversion	Program automatically converts the pressure borne by the mold	Program automatically converts the pressure borne by the mold	Program automatically converts the pressure borne by the mold
Display	4.3 inch LCD screen	4.3 inch LCD screen	4.3 inch LCD screen
Metal buttons	Silver plated contacts with a service life of over 100000 times	Silver plated contacts with a service life of over 100000 times	Silver plated contacts with a service life of over 100000 times
Built in mold	Boric acid/steel ring/plastic ring mold (built-in 1 set of mold)	Boric acid/steel ring/plastic ring mold (built-in 1 set of mold)	Boric acid/steel ring/plastic ring mold (built-in 1 set of mold)
Sample size	Sample size standard configuration 40mm	Sample size standard configuration 40mm	Sample size standard configuration 40mm
Mold material	440C mold steel	440C mold steel	440C mold steel
Demoulding method	Automatic stripping	Automatic stripping	Automatic stripping
External dimensions	250×390×460mm(L×W×H)	280×460×550mm(L×W×H)	300×520×580mm(L×W×H)
Equipment power supply	550W (220V/110 can be customized)	550W(220V/110 can be customized)	550W(220V/110 can be customized)
Equipment weight	120Kg	150Kg	180Kg
Dimensional diagram of powder tablet press	See picture below	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.



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