



KINTEK PRESS

Universal Laboratory Press Catalog

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KINTEK PRESS

COMPANY PROFILE

>>> About Us

KINTEK Press is a technology-driven innovator specializing in precision lab press equipment, including automatic lab presses, isostatic presses, heated lab presses, and other specialized compaction systems. Designed for materials science, research & development, sample preparation, and quality control applications, our robust, reliable systems prioritize precision, safety, and repeatability in demanding pressing operations and material characterization, empowering researchers and industrial labs to achieve groundbreaking results.



Laboratory Hydraulic Press 2T Lab Pellet Press For Kbr Ftir

Item Number: KT-KBP



Introduction

KINTEK 2T Lab Hydraulic Press for precise FTIR sample prep, durable KBr pellet creation, and versatile material testing. Ideal for research labs.

[Learn More](#)

Model	PCKBR-2T
Working Pressure (T)	0-2 (30Mpa)
Piston Diameter	Φ45mm
Pressure Stability	≤1MPa/10min
Workbench Diameter	Φ45mm
Number of Columns	Two
Working Space (W×D)	54×55 mm
Dimensions (W×L×H)	100×220×220 mm
Weight (kg)	4.8 kg

Manual Laboratory Hydraulic Pellet Press Lab Hydraulic Press

Item Number: PCMP



Introduction

Boost lab efficiency with KINTEK's precision hydraulic presses—compact, leak-proof, and ideal for spectroscopy. Custom solutions available.

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Instrument model	PCMP-2T	PCMP-5T	PCMP-12T	PCMP-15T	PCMP-24T	PCMP-30T
Pressure range	0-2T (25MPa)	0-5T(0-31.4MPa)	0-12T(0-30MPa)	0-15T(0-30MPa)	0-24T(0-34MPa)	0-30T(0-31.5MPa)
Piston diameter	Φ32mm (d)	Φ45mm (d)	Φ70mm (d)	Φ80mm (d)	Φ95mm (d)	Φ110mm (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	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	Pressure and pressure intensity display	Pressure and pressure intensity display	Pressure and pressure intensity display
Maximum pressure (T)	30mm	30mm	30mm	30mm	30mm	40mm
Pressure stability	≤1MPa/10min	≤1MPa/10min	≤1MPa/10min	≤1MPa/10min	≤1MPa/10min	≤1MPa/10min
Workbench diameter	Φ50mm (D)	Φ80mm (D)	Φ80mm (D)	Φ90mm (D)	Φ105mm (D)	Φ120mm (D)
Number of columns	Two	Two	Two	Two	Four	Four
Working space	85×120mm(M×N)	96×130mm(M×N)	96×130mm(M×N)	140×150mm(M×N)	80×150mm(M×N)	92×160mm(M×N)
Dimensions	210×150×350mm(L×W×H)	225×155×380mm(L×W×H)	225×155×380mm(L×W×H)	245×175×390mm(L×W×H)	245×175×415mm(L×W×H)	275×195×420mm(L×W×H)
Weight	12 Kg	28Kg	28Kg	38Kg	42Kg	56Kg

Manual Laboratory Hydraulic Press Lab Pellet Press

Item Number: PCF



Introduction

KINTEK's Protective Manual Lab Hydraulic Press ensures safe, precise sample preparation with durable construction, versatile applications, and advanced safety features. Ideal for labs.

[Learn More](#)

Instrument model	PCF-15T	PCF-24T	PCF-30T	PCF-40T	PCF-60T
Pressure range	0-15T(0-30MPa)	0-24T(0-34MPa)	0-30T(0-31.5MPa)	0-40T(0-30MPa)	0-60T(0-34MPa)
Piston diameter	Φ80mm (d)	Φ95mm (d)	Φ110mm (d)	Φ130mm (d)	Φ150mm (d)
Pressure gauge	Pressure and pressure intensity display	Pressure and pressure intensity display	Pressure and pressure intensity display	Pressure and pressure intensity display	Pressure and pressure intensity display
Maximum Piston Stroke (Typo in original: "Maximum pressure (T)")	30mm	30mm	40mm	50mm	50mm
Protective cover	Plexiglass (Polymethyl methacrylate)	Plexiglass (Polymethyl methacrylate)	Plexiglass (Polymethyl methacrylate)	Plexiglass (Polymethyl methacrylate)	Plexiglass (Polymethyl methacrylate)
Pressure stability	≤1MPa/10min	≤1MPa/10min	≤1MPa/10min	≤1MPa/10min	≤1MPa/10min
Workbench diameter	Φ90mm (D)	Φ105mm (D)	Φ120mm (D)	Φ140mm (D)	Φ160mm (D)
Number of columns	Four	Four	Four	Four	Four
Working space	80××130mm(M×N)	112×160mm(M×N)	112×160mm(M×N)	126×185mm(M×N)	185×250mm(M×N)
Dimensions	260×175×395mm(L×W×H)	305×195×425mm(L×W×H)	305×195×425mm(L×W×H)	355×215×505mm(L×W×H)	405×240×565mm(L×W×H)
Weight	42Kg	65Kg	65Kg	90Kg	120Kg

Force (Tons)	Pressure (MPa)
1	0.75
3	2.2
5	3.7
10	7.5
12	9
15	11.3
20	15
30	22.5

Important: Do not exceed 35 MPa system pressure to prolong equipment life.

Lab Manual Microtome Slicer For Tissue Sectioning

Item Number: PT10



Introduction

Precision Manual Slicer for labs: Achieve accurate, consistent sample preparation with adjustable high-precision cutting. Ideal for research, food, and industry.

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Instrument model	PT10
Mold material	3Cr13 (quenched stainless steel)
Slice size	Φ10, Φ12, Φ14, Φ15, Φ16, Φ18, Φ19(d)
Overall dimensions	120*200*280mm (L*W*H)
Equipment weight	10kg
Machine size diagram	

Button Battery Sealing Machine For Button Batteries

Item Number: PC2NS



Introduction

KINTEK's Manual Button Battery Sealer ensures precise, airtight sealing for CR2032, LR44 batteries. Ideal for labs, R&D, and small production. Boost efficiency now!

[Learn More](#)

Instrument model	PC2NS
Pressure range	0-2T (0-25MPa)
Piston diameter	32mm(d) in chrome-plated oil cylinder
Pressure gauge	Digital display 0.00-40.00MPa
Standard mold	Standard CR20 series package mold
Sealing mold	Optional CR16, CR20, CR24, CR30, etc.
Sealing pressure	Generally between 0.8-1.2 tons
Shell removal mold	Optional CR16, CR20, CR24, CR30, etc.
Shell removal pressure	Generally within 0.4 tons
Overall dimensions	210*165*290mm(LX*W*H)
Equipment weight	12Kg
Machine size diagram	

Manual Button Battery Sealing Machine For Battery Sealing

Item Number: PC2N



Introduction

Manual Button Battery Sealer for precise, affordable lab sealing. Ideal for CR2032, LR44 batteries. Enhances safety & extends battery life. Get yours now!

[Learn More](#)

Instrument model	PC-2N
Pressure range	0-2T (0-25MPa)
Piston diameter	32mm(d) in chrome-plated oil cylinder
Pressure gauge	Dual scale display of pressure and pressure
Standard mold	Standard CR20 series package mold
Sealing mold	Optional CR16, CR20, CR24, CR30, etc.
Sealing pressure	Generally between 0.8-1.2 tons
Shell removal mold	Optional CR16, CR20, CR24, CR30, etc.
Shell removal pressure	Generally within 0.4 tons
Overall dimensions	210*165*290mm(LX*W*H)
Equipment weight	12Kg
Machine size diagram	

Laboratory Hydraulic Press Lab Pellet Press Button Battery Press

Item Number: PCBP

Introduction

KINTEK Lab Press Machines: Precision hydraulic presses for material research, pharmacy, and electronics. Compact, durable, and low maintenance. Get expert advice today!

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Instrument model	PCBP-2T (Manual)	Instrument model	PCBP-1.5T(Automatic)
Pressure range	0-2T (0-25MPa)	Pressure Range	50-1500kg
Piston diameter	Φ32mm (d)	Pressurization process	Program pressurization-program pressure-timed pressure relief
Integral structure	No sealing connection, oil leakage reduced	Pressure retention time	0-999 seconds
Pressure gauge	Pressure and pressure intensity display	Pressure conversion	The program automatically converts the mold to withstand pressure
Standard die	CR20 series packaging die	LCD display	4.3-inch LCD screen
Sealing die	CR16,CR20,CR24,CR30optional	Sealing mold	Optional CR16,CR20,CR24,CR30,etc
Sealing pressure	0.8-1.2Ton	Shell removal mold	Optional CR16,CR20,CR24,CR30,etc
Disassembly die	CR16,CR20,CR24 optional	Standard mold	Standard CR20 series packaging mold
Disassembly pressure		External dimensions	220x240x380(LXWXH)
Dimensions	210×165×290mm(L×W×H)	Equipment power supply	220V(50Hz/60Hz)
Weight	12Kg	Equipment weight	35kg
Dimensional diagram	Dimensional diagram of manual button battery crimping machine		Dimensional diagram of automatic button battery crimping machine

Automatic Laboratory Hydraulic Press Lab Pellet Press Machine

Item Number: PCEA



Introduction

Upgrade your lab with KINTEK's Automatic Lab Press – precision, efficiency, and versatility for superior sample preparation. Explore models now!

[Learn More](#)

Instrument model	PCEA-12T	PCEA-20T	PCEA-30T	PCEA-40T	PCEA-60T	PCEA-100T	PCEA-150T
Pressure Range	0.2-12.0 tons	1-20.0 tons	1-30.0 tons	1-40.0 tons	1-60.0 tons	1-100.0 tons	1-150.0 tons
Pressure conversion	Program automatically converts the pressure borne by the mold						
Display	4.3 inch LCD screen				7 inch LCD screen		
Metal buttons	Silver plated contacts with a service life of over 100,000 times						
Equipment protection	Steel plate protection with organic glass door						
Limit switch	Automatic pressure relief when the oil cylinder reaches the limit height						
Cylinder stroke (T)	30mm			50mm			
Space size (M×N)	110×140mm	140×160 mm	140×160 mm	175×180mm	185×220mm	185×250mm	200×260mm
External dimensions (L×W×H)	185×320×360 mm	230×390×420mm	230×390×420mm	280×460×550mm	300×520×580mm	330×580×620mm	400×620×620mm
Equipment power supply	240W (220V/110V can be customized)	550W (220V/110V can be customized)				1500W (220V/110V can be customized)	
Equipment weight	50 Kg	90Kg		150Kg	180Kg	240Kg	380Kg

Laboratory Hydraulic Split Electric Lab Pellet Press

Item Number: PCES



Introduction

KINTEK Split Electric Lab Press: Precision sample preparation for research. Compact, versatile, with advanced pressure control. Ideal for material studies.

[Learn More](#)

Instrument model	PCES-40T	PCES-65T	PCES-100T	PCES-150T	PCES-200T
Pressure Range	0-40 tons	0-65tons	1-100tons	1-150tons	1-200tons
Piston diameter	130mm (d)	160mm (d)	200mm (d)	250mm (d)	290mm (d)
Pressurization process	Program pressurization	Program pressurization	Program pressurization	Program pressurization	Program pressurization
Pressure conversion	Automatically converted pressure	Automatically converted pressure	Automatically converted pressure	Automatically converted pressure	Automatically converted pressure
Display	7-inch LCD	7-inch LCD	7-inch LCD	7-inch LCD	7-inch LCD
Equipment protection	Steel plate protection with organic glass door	Steel plate protection with organic glass door	Steel plate protection with organic glass door	Steel plate protection with organic glass door	Steel plate protection with organic glass door
Cylinder stroke (T)	50mm	50mm	50mm	50mm	50mm
Space size	160×300mm(M×N)	220×300mm(M×N)	260×250mm(M×N)	285×290mm(M×N)	290×300mm(M×N)
External dimensions	500×700×800mm(L×W×H)	580×700×800mm(L×W×H)	850×500×950mm(L×W×H)	950×600×1000mm(L×W×H)	1000×650×1050mm(L×W×H)
Power supply	1500W(220V/110V)	1500W(220V/110V)	1500W(220V/110V)	1500W(220V/110V)	1500W(220V/110V)
Weight	200kg	280kg	520kg	620kg	850kg

Laboratory Hydraulic Pellet Press For Xrf Kbr Ftir Lab Press

Item Number: PCPE



Introduction

KINTEK Lab Press Machines: Precision hydraulic presses for sample prep. Automatic, heated, and isostatic models for research labs. Get expert advice now!

[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 (Piston Stroke)	40mm (Piston Stroke)	50mm (Piston Stroke)	50mm (Piston Stroke)
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. This table is illustrative; actual pressure depends on piston diameter.

Button Battery Sealing Press Machine For Lab

Item Number: PP2N



Introduction

Boost button battery production with KINTEK's Electric Sealer – precision sealing, 300-600 pieces/hour, intelligent pressure control. Enhance yield now!

[Learn More](#)

Instrument model	PP2N
Pressure range	50-1500kg
Pressure-adding process	Program pressurization - program pressure maintenance - timed pressure release
Pressure-holding time	0-999 seconds
Pressure conversion	Program automatically converts the pressure that the mold can withstand
LCD display	4.3-inch LCD screen
Sealing mold	Optional CR16, CR20, CR24, CR30, etc.
Shell removal mold	Optional CR16, CR20, CR24, CR30, etc.
Standard mold	Standard CR20 series packaging mold
Dimensions	220*240*380(L*W*H)
Equipment power supply	220V(50Hz/60Hz)
Equipment weight	35kg
Machine size diagram	

Automatic Laboratory Hydraulic Press For Xrf And Kbr Pellet Pressing

Item Number: PMXA



Introduction

KinTek XRF Pellet Press: Automated sample prep for precise XRF/IR analysis. High-quality pellets, programmable pressure, durable design. Boost lab efficiency today!

[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	0-999 seconds	0-999 seconds	0-999 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 100,000 times	Silver plated contacts with a service life of over 100,000 times	Silver plated contacts with a service life of over 100,000 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	Standard configuration 40mm (customizable)	Standard configuration 40mm (customizable)	Standard configuration 40mm (customizable)
Mold material	440C mold steel	440C mold steel	440C mold steel
Demoulding method	Automatic stripping	Automatic stripping	Automatic stripping
External dimensions (L×W×H)	250×390×460mm	280×460×550mm	300×520×580mm
Equipment power supply	550W (220V/110V can be customized)	550W (220V/110V can be customized)	550W (220V/110V can be customized)
Equipment weight	Approx. 120Kg	Approx. 150Kg	Approx. 180Kg
Dimensional diagram of powder tablet press	See picture below	See picture below	See picture below

Laboratory Hydraulic Press Lab Pellet Press Machine For Glove Box

Item Number: PCG



Introduction

Precision lab press for glove boxes: Compact, leak-proof design with digital pressure control. Ideal for inert atmosphere material processing. Explore now!

[Learn More](#)

Instrument model	PCG-25T1818	PCG-25T2020
Pressure Range	0-25T	0-25T
Pressurization process	Program pressurization-program pressure-timed pressure relief	Program pressurization-program pressure-timed pressure relief
Pressure retention time	0-999.59 (Seconds)	0-999.59 (Seconds)
Heating temperature	Up to 500°C	Up to 500°C
Heating plate	180×180mm	200×200mm
Glove box handle	St's 304	St's 304
Studio size	780×650×700mm	780×650×700mm
Transition cabin size	Φ240×260mm	Φ240×260mm
Vacuum degree	-0.1MPa	-0.1MPa
Size of the whole machine	1200×950×1800mm (L×W×H)	1200×950×1800mm (L×W×H)
Power supply	220V 50Hz	220V 50Hz



Kintek Press

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