



KINTEK SOLUTION

## Electric Lab Press Catalog

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# KINTEK SOLUTION

## COMPANY PROFILE

### >>> About Us

KinTek Group Limited 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, vaccum creating, refrigerating, as while as pharmaceutical and petroleum extracting equipment.



# Laboratory Hydraulic Pellet Press For Xrf Kbr Ftir Lab Applications

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.

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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.

# Laboratory Hydraulic Press Lab Pellet Press For Button Battery

Item Number: PCBP

## Introduction

Efficiently prepare samples with our 2T Button Battery Press. Ideal for material research labs and small-scale production. Small footprint, lightweight, and vacuum-compatible.

[Learn More](#)



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

# Automatic Laboratory Hydraulic Press For Xrf & Kbr Pellet Press

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.

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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 over100000 times	Silver plated contacts with a service life of over100000 times	Silver plated contacts with a service life of over100000 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 configuration40mm	Sample size standard configuration40mm
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

# Laboratory Hydraulic Press Split Electric Lab Pellet Press

Item Number: PCES



## Introduction

Efficiently prepare samples with a split electric lab press - available in various sizes and ideal for material research, pharmacy, and ceramics. Enjoy greater versatility and higher pressure with this portable and programmable option.

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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

# Automatic Laboratory Hydraulic Pellet Press Machine For Lab Use

Item Number: PCEA



## Introduction

Experience efficient sample preparation with our Automatic Lab Press Machine. Ideal for material research, pharmacy, ceramics, and more. Features a compact size and hydraulic press functionality with heating plates. Available in various sizes.

[Learn More](#)

Instrument model	PCEA-12T	PCEA-20T	PCEA-30T	PCEA-40T	PCEA-60T	PCEA-100T
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
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	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	4.3 inch LCD screen	7 inch LCD screen	7 inch LCD screen
Metal buttons	Silver plated contacts with a service life of over 100000	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	Silver plated contacts with a service life of over 100000 times	Silver plated contacts with a service life of over 100000 times
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	Steel plate protection with organic glass door
Limit switch	Automatic pressure relief when the oil cylinder reaches the limit height	Automatic pressure relief when the oil cylinder reaches the limit height.	Automatic pressure relief when the oil cylinder reaches the limit height	Automatic pressure relief when the oil cylinder reaches the limit height	Automatic pressure relief when the oil cylinder reaches the limit height	Automatic pressure relief when the oil cylinder reaches the limit height
Cylinder stroke (T)	30mm	30mm	30mm	50mm	50mm	50mm
Space size	110×140mm (M×N)	140×160 mm (M×N)	140×160 mm(M×N)	175×180mm(M×N)	185×220mm(M×N)	185×250mm(M×N)
External dimensions	185×320×360 mm (L×W×H)	230×390×420mm(L×W×H)	230×390×420mm(L×W×H)	280×460×550mm(L×W×H)	300×520×580mm(L×W×H)	330×580×620mm(L×W×H)
Equipment power supply	240W(220V/110 can be customized)	550W(220V/110 can be customized)	550W(220V/110 can be customized)	550W (220V/110 can be customized)	550W(220V/110 can be customized)	1500W(220V/110 can be customized)
Equipment weight	50 Kg	90Kg	90Kg	150Kg	180Kg	240Kg



# Electric Button Battery Sealing Machine

Item Number: PP2N



## Introduction

The electric button battery sealing machine is a high-performance packaging equipment designed for mass production of button batteries (such as CR series, LR series, SR series, etc.), suitable for electronic manufacturing, new energy research and development, and industrial automation production lines.

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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	



## Kintek Solution

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