



KINTEK SOLUTION

Electric Lab Press Catalog

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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!



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.

Electric Lab Cold Isostatic Press (Cip) 12T / 20T / 40T / 60T

Item Number: PCIE



Introduction

Produce dense, uniform parts with improved mechanical properties with our Electric Lab Cold Isostatic Press. Widely used in material research, pharmacy, and electronic industries. Efficient, compact, and vacuum-compatible.

[Learn More](#)

Instrument model	PCIE-12T	PCIE-20T	PCIE-40T	PCIE-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	Digital display0.0-40.0MPa	Digital display0.0-40.0MPa	Digital display0.0-40.0MPa	Digital display0.0-40.0MPa
Maximum piston stroke (T)	40mm	40mm	50mm	50mm
Way of Pressure	Electric pressurization/manual pressurization	Electric pressurization/manual pressurization	Electric pressurization/manual pressurization	Electric pressurization/manual pressurization
Pressure replenishment method	Automatic pressurization/manual slow pressurization	Automatic pressurization/manual slow pressurization	Automatic pressurization/manual slow pressurization	Automatic pressurization/manual slow pressurization
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	305×430×530mm(L×W×H)	305×430×600mm(L×W×H)	355×450×710mm(L×W×H)	405×470×720mm(L×W×H)
power supply	550W(220V/110 can be customized)	550W(220V/110 can be customized)	550W(220V/110 can be customized)	550W(220V/110 can be customized)
Equipment weight	110Kg	120Kg	150Kg	200Kg

Button Battery Press 5T

Item Number: PCBP

Introduction

Efficiently prepare samples with our 5T Button Battery Press. Ideal for material research labs and small-scale production. Small footprint, lightweight, and vacuum-compatible.

[Learn More](#)



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

Split Automatic Heated Lab Pellet Press 30T / 40T

Item Number: PCSE



Introduction

Discover our split automatic heated lab press 30T/40T for precise sample preparation in material research, pharmacy, ceramics, and electronics industries. With a small footprint and heating up to 300°C, it's perfect for processing under vacuum environment.

[Learn More](#)

Instrument model	PCSE-40T4040	PCSE-30T3030
Pressure Range	0-40.0 tons	0-30.0tons
Pressurization process	Program pressurization - Program holding -Timed pressure relief	Program pressurization - Program holding - Timed
Mold heating temperature	Room temperature-300.0C	Room temperature -300.0C/500.0C
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	400×400mm(M×N)	300×300mm(M×N)
Host size	500×480X650(K×P×H)	380×350×600mm(K×P×H)
Dimensions	850×480X650(L×W×H)	700×400×600mm(L×W×H)
Powersupply	5500W(220V/110V can be customized)	3500W(220V/110V can be customized)
Weight	480 Kg	280 Kg

Automatic Heated Lab Pellet Press 25T / 30T / 50T

Item Number: PCAH



Introduction

Efficiently prepare your samples with our Automatic Heated Lab Press. With a pressure range up to 50T and precise control, it's perfect for various industries.

[Learn More](#)

Instrument Model	PCAH-5T1212/1212G	PCAH-25T1818/1818G	PCAH-25T2020/2020G	PCAH-30T3030/3030G	PCAH-40T4040/4040G
Pressure Range	0-5.0 tons	0-25.0 tons	0-25.0 tons	0-30.0 tons	0-40.0 tons
Pressurization Process	Program pressurization - Program holding - Timed pressure relief	Program pressurization - Program holding - Timed pressure relief	Program pressurization - Program holding - Timed pressure relief	Program pressurization - Program holding - Timed pressure relief	Program pressurization - Program holding - Timed pressure relief
Mold Heating Temperature	Room temperature-300.0°C/500.0°C	Room temperature-300.0°C/500.0°C	Room temperature-300.0°C/500.0°C	Room temperature-300.0°C/500.0°C	Room temperature-300.0°C
Insulation Method	Imported insulation board	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]	Quick cooling with water cooling [optional water cooling machine]
Hot platen size	120X120mm(M×N)	180×180mm(M×N)	200×200mm(M×N)	300×300mm(M×N)	400X400mm(M×N)
Dimensions	182×306×460mm(L×W×H)	300×390×560mm(L×W×H)	300×390×560mm(L×W×H)	400×490×580mm(L×W×H)	500×550×620mm(L×W×H)
Powersupply	900 W(220V/110V can be customized)	1700 W (220V/110V can be customized)	1700 W(220V/110V can be customized)	3500 W(220V/110V can be customized)	5500 W (220V/110V can be customized)
Weight	75 Kg	140 Kg	140 Kg	280 Kg	480 Kg

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

Electric Split Lab Cold Isostatic Press (Cip) 65T / 100T / 150T / 200T

Item Number: PCESI



Introduction

Split cold isostatic presses are capable of providing higher pressures, making them suitable for testing applications that require high pressure levels.

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Instrument model	PCESI-65T	PCESI-100T	PCESI-150T	PCESI-200T
Pressure Range	0-65T	0-100T	0-150T	0-200T
Piston diameter	160mm (d) in chrome plated oil cylinder	200mm (d) in chrome plated oil cylinder	200mm (d) in chrome plated oil cylinder	290mm (d) in chrome plated oil cylinder
Pressurization process	Program pressurization - Program holding -Timed pressure relief	Program pressurization -Program holding -Timed pressure relief	Program pressurization - Program holding-Timed pressure relief	Program pressurization - Program holding -Timed pressure relief
Pressure conversion	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample
Display	7-inch LCD screen	7-inch LCD screen	7-inch LCD screen	7-inch LCD screen
Equipment protection	Steel plate protection with organicglass door	Steel plate protection with organicglass door	Steel plate protection with organic glass door	Steel plate protection with organicglass door
Isostatic pressure	0-300MPa	0-300MPa	0-300MPa	0-300MPa
Isostatic pressure chamber	Φ50×150mm(M×N)	Φ60×150mm(M×N)	Φ80×150mm(M×N)	Φ90×150mm(M×N)
Cylinder stroke (T)	50mm	50mm	50mm	50mm
Space size	220×400mm(M×N)	260×400mm(M×N)	280×400mm(M×N)	290×420mm(M×N)
External dimensions	700×450×1050mm(L×W×H)	850×500×1100mm(L×W×H)	950×550×1150mm(L×W×H)	1000×650×1200mm(L×W×H)
Equipment power supply	1500W(220V/110 can be customized)	1500W (220V/110 can be customized)	1500W(220V/110 can be customized)	1500W(220V/110 can be customized)
Equipment weight	350kg	580kg	680kg	980kg

Automatic Lab Cold Isostatic Press (Cip) 20T / 40T / 60T / 100T

Item Number: PCIA



Introduction

Efficiently prepare samples with our Automatic Lab Cold Isostatic Press. Widely used in material research, pharmacy, and electronic industries. Provides greater flexibility and control compared to electric CIPs.

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Instrument model	PCIA-20T	PCIA-40T	PCIA-60T	PCIA-100T
Pressure Range	0-20T	0-40T	0-60T	0-100.0T
Piston diameter	110mm (d) in chrome plated oil cylinder	130mm (d) in chrome plated oil cylinder	150mm (d) in chrome plated oil cylinder	200mm (d) in chrome plated oil cylinder
Pressurization process	Program pressurization - Program holding -Timed pressure relief	Program pressurization - Program holding -Timed pressure relief	Program pressurization - Program holding -Timed pressure relief	Program pressurization - Program holding -Timed pressure relief
Pressure conversion	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample	The program automatically converts the pressure borne by the sample
Display	4.3 inch LCD screen	4.3 inch LCD screen	4.3 inch LCD screen	7 inch LCD screen
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
Isostatic pressure	300MPa	300MPa	300MPa	300MPa
Isostatic pressure chamber	Φ30×150mm(M×N)	Φ40×150mm(M×N)	Φ50×150mm/30×150mm	Φ60×150(M×N)
Cylinder stroke (T)	50mm	50mm	50mm	50mm
Sample making characteristics	Upperpanel rocker arm structure formore convenient operation	Upperpanel rocker arm structure formore convenient operation	Upperpanel rocker arm structure formore convenient operation	Upperpanel rocker arm structure formore convenient operation
External dimensions	240×390×560(L×W×H)	280×460×660(L×W×H)	/	330×580×720(L×W×H)
Equipment power supply	550W(220V/110 can be customized)	550W(220V/110 can be customized)	550W(220V/110 can be customized)	550W(220V/110 can be customized)
Equipmentweight	120KG	180KG	240KG	290KG

Lab Pellet Press For Vacuum Box

Item Number: PCV



Introduction

Enhance your lab's precision with our lab press for vacuum box. Press pills and powders with ease and precision in a vacuum environment, reducing oxidation and improving consistency. Compact and easy to use with a digital pressure gauge.

[Learn More](#)

Instrument model	PCV-10T1818	PCV-10T2020
Pressure Range	0-10.0 tons	0-10.0 tons
Pressurization process	Manual pressurization	Manual pressurization
Heating temperature	Maximum 500°C	Maximum 500°C
Heating plate	180×180mm	200×200mm
Vacuum box material	SUS 304 (stainless steel)	SUS 304 (stainless steel)
Studio Size	400×400×400mm	400×100×400mm
Door size	300×350mm	300×350mm
Vacuum degree	-0.1MPa	-0.1MPa
Dimensions	450×550×850(L×W×H)	450×550×850(L×W×H)
Power supply	220V50Hz (can support 110V)	220V50Hz (can support 110V)

Lab Pellet Press Machine For Glove Box

Item Number: PCG



Introduction

Controlled environment lab press machine for glove box. Specialized equipment for material pressing and shaping with high precision digital pressure gauge.

[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(point.Seconds)	0-999.59(point.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	780×650×700	780×650×700
Transition cabin size	Φ240×260mm	Φ240×260mm
Vacuum degree	-0.1MPa	-0.1MPa
Size of the whole machine	1200×950×1800(L×W×H)	1200×950×1800(L×W×H)
Power supply	220V 50Hz	220V 50Hz

Split Electric Laboratory Pellet Press 40T / 65T / 100T / 150T / 200T

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.

[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

Automatic Lab Pellet Press Machine 20T / 30T / 40T / 60T / 100T

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



Kintek Solution

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