



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.

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 |

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 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 |

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.

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| 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 |



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