



KINTEK SOLUTION

Manual Lab 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

Company Profile

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.

Products & Services

Kintek Solution Ltd is headquartered in Zhengzhou, the capital city of Henan Province, China, and its core business includes the manufacture, distribution and sale of all types of scientific research equipment and laboratory consumables. The wide range of products and services covers the following main areas:

- **Sample Preparation Equipment:** We provide high-performance sample preparation equipment such as tablet presses, ball mills, vibrating sieves and tablet punching machines, which are capable of meeting a wide range of sample preparation needs and ensuring high quality experimental data and research results.
- **Thermal Equipment:** Our thermal equipment includes tube furnaces, sintering furnaces, vacuum furnaces, atmosphere furnaces, graphite furnaces, dental furnaces, rotary furnaces, and high-temperature furnaces (e.g., MPCVD, CVD, PECVD, electric rotary kilns). These facilities excel in high-temperature processing and materials synthesis, meeting a wide range of needs from basic research to industrial production.
- **Biochemical equipment:** We offer a wide range of biochemical laboratory equipment, including rotary evaporators, vacuum pumps, cold trap chillers,

heating circulators, reactors, short-range distillation equipment, sterilization equipment, and homogenizers. These equipments are widely used in the fields of chemical reaction, biological processing and pharmaceutical manufacturing.

- **Laboratory Consumables:** We supply a wide range of laboratory consumables such as fine ceramic products, electrochemical consumables, PTFE material products, high purity materials, battery materials, chemical vapor deposition materials, optical materials, thin film deposition components and glass materials. These consumables provide the necessary support for laboratories to ensure the smooth running of experimental processes.

Technological Advantages

Kintek Solution Ltd has significant technological strengths in the field of scientific research equipment and technical solutions, which enable us to stand out in a competitive marketplace and support our customers with cutting-edge technology. The following are our key technological strengths:

Advanced R&D capabilities

- **Technological Innovation:** Our R&D team is committed to exploring and developing the latest technologies to keep our equipment at the forefront of the industry through continuous technological innovation.
- **Customized solutions:** Based on the specific needs of our customers, we are able to develop and provide customized equipment to meet specific research requirements and application scenarios.
- **Cooperative R&D:** We cooperate with leading research institutes and higher education institutions around the world to carry out R&D projects on cutting-edge technologies to ensure that our technologies are always at the forefront of the industry.

High-performance equipment

- **Precision design:** Our equipment adopts advanced design concepts to ensure high precision, reliability and performance to meet the stringent requirements of scientific research and industrial applications.
- **Advanced materials:** We use high-quality materials and components to improve the durability and stability of our equipment, extend its service life and reduce maintenance costs.

Strict quality control

- Standardized production: All equipment is manufactured in accordance with international quality standards, and each production step is strictly controlled to ensure product consistency and reliability.
- Comprehensive testing: Comprehensive performance testing and quality inspection are carried out before the equipment is delivered to ensure that it meets the customer's technical specifications and operational requirements.

Comprehensive technical support

- Technical Service: Provide comprehensive technical support and after-sales service, including equipment installation, commissioning, training and maintenance, to ensure that customers can use our products efficiently.
- Rapid Response: We have established a rapid response mechanism, which can promptly solve the problems encountered by customers in the process of use and reduce equipment downtime.

Innovative technology integration

- System Integration: We integrate advanced control systems and automation technologies into our equipment to improve operational efficiency and data accuracy, and streamline operational processes.

Through these technological advantages, Kintek Solution Ltd is able to continue to provide our customers with innovative, efficient and reliable scientific research equipment and solutions to promote the continuous progress of scientific research and industrial applications.

Market position and customers

Kintek Solution Ltd is positioned in the market as a leading global provider of high-tech research equipment and solutions, specializing in biochemical reactions, new materials research, heat treatment, vacuum manufacturing, refrigeration, as well as pharmaceuticals and oil extraction. We are committed to brand leadership in research equipment by providing innovative technology and high quality equipment to meet the needs of research organizations and industrial companies in complex research and production processes.

Core Market Positioning:

- **Specialization:** We focus on high technology and scientific research, providing advanced equipment and solutions for specialized research institutes, laboratories and industrial applications.
- **High-end customers:** Our main customers include world-renowned universities, research institutes and various industrial enterprises, which usually have high requirements for equipment performance and technology.
- **Technological Innovation:** We are committed to technological innovation and customized solutions to ensure that our customers receive cutting-edge technical support to meet the ever-changing needs and challenges in the market.

Market Customer Groups:

- **Research Institutes and Universities:** including the world's leading research institutes and institutions of higher learning, who require high-performance research equipment and technical support for basic research, applied research and technology development.
- **Industrial companies:** covering a wide range of industries such as pharmaceuticals, oil extraction, new materials manufacturing and electronic materials production, these companies rely on reliable equipment and solutions to ensure product quality and productivity during production.
- **Laboratories and test centers:** organizations that provide laboratory services and quality testing, requiring accurate laboratory equipment and instruments for sample analysis and testing.
- **Technology Development Companies:** Companies that specialize in the development and application of new technologies and have a high demand for innovative equipment and technical solutions to support their R&D projects and technology validation.

Through clear market positioning and customer groups, we are committed to promoting scientific and technological progress, supporting the innovation and development of our global customers, and continuing to provide high-quality products and services to the market.

Team Introduction

The team at Kintek Solution Ltd is at the heart of the company's success. In order to realize our vision and maintain our leadership position in the field of high-tech research equipment, we are committed to building an exceptional team with the following attributes:

1. Professionalism

- **Technical Expertise:** Our team consists of technical experts and engineers in the field with deep expertise and technical backgrounds to meet complex technical challenges and innovation needs.
- **Industry experience:** We bring together professionals with extensive experience in the fields of research equipment, material science and engineering technology to ensure a precise grasp of market needs and technological trends.

2. Innovative Spirit

- **R&D-driven:** The team encourages innovative thinking and technological exploration, supports employees to participate in R&D projects on cutting-edge technologies, and continuously pushes forward the technological advancement of products and solutions.
- **Flexible Adaptation:** In the face of changing market environment, we have the ability to adapt quickly and flexibly to meet the changing needs of our customers.

3. Collaboration and Communication

- **Cross-sectoral collaboration:** The team maintains close collaboration between various departments, including R&D, production, sales and customer service, to ensure the smooth progress of projects and timely response to customer needs.
- **Efficient Communication:** Emphasize internal communication and information sharing, through efficient communication mechanisms and tools to ensure that all team members are consistent with the project goals and progress.

4. Customer Orientation

- **Customer Service:** Team members are customer-focused and committed to providing quality service and support to ensure that our customers have the best experience in using our products and solutions.

- Customized solutions: the ability to deeply understand the specific needs of customers and provide customized solutions to meet the special requirements of different customers.

5. Professional Training and Development

- Continuous Learning: We provide continuous training and learning opportunities for our team members to ensure that they are always up-to-date with the latest technology and industry knowledge.
- Career Development: We value the career development and growth of our employees, provide clear career paths and promotion opportunities, and motivate our employees to realize their personal goals and career aspirations within the company.

6. Corporate Culture

- Integrity and Responsibility: The team upholds integrity and responsibility, treats work and customers with honesty and fairness, and builds trust and long-term cooperative relationships.
- Unity and Collaboration: Focusing on the spirit of teamwork, the team emphasizes mutual support and joint efforts to achieve the company's goals and promote the overall success of the team.

By building such a highly qualified, innovation-driven and customer-oriented team, we ensure that Kintek Solution Ltd continues to lead in the field of scientific research equipment and provide excellent products and services to our customers worldwide.

At KINTEK, technology fuels our corporate spirit. This dynamic energy awaits you upon joining our team. Expect a distinctive cultural environment where our global business focus opens doors to diverse customs and traditions worldwide. Here, challenging roles promise to propel your career to new heights.

Our exceptional corporate culture sparks innovation, fosters care, and drives continuous progress among individuals and teams. Our team embodies youthfulness, positivity, enthusiasm, and a bold attitude toward challenges. Passionate about our business, our employees ardently contribute to the company's growth.

We seek individuals brave enough to embrace challenges, harbor grand ambitions, and thirst for knowledge. If you're driven by dreams and passion, and aspire to start your

entrepreneurial journey, KINTEK is the platform to actualize your career plans. We don't just offer opportunities; we pave the way for your future.

Join us at KINTEK, where innovation meets opportunity. Let's create a future that's as promising as your aspirations.

Future Plans

Kintek Solution Ltd's future plans are aimed at further strengthening our leadership position in the research equipment sector and driving the company forward in terms of technological innovation, market expansion and customer service. The following are our key future directions:

1. Technology Innovation and R&D

- Cutting-edge technology development: Continue to invest resources in the research and development of cutting-edge technologies, such as artificial intelligence, the Internet of Things and nanotechnology, in order to promote equipment intelligence and automation.
- New Product Lines: Expand existing product lines and develop equipment to meet emerging market needs, especially in the areas of biochemistry, biomedicine and high-performance materials.
- Cooperative R&D: Strengthen cooperation with international research institutes and institutions of higher learning to carry out joint R&D projects to ensure that the technology remains at the global leading level.

2. Market Expansion

- Global Market Expansion: Further expand the global market, especially in emerging markets and developing regions, establish more sales and service networks, and enhance the brand's international influence.
- Industry application: Explore and expand the application fields in other industries, such as new energy, environmental protection technology and intelligent manufacturing, to open up new business growth points.

3. Customer Service Enhancement

- Enhancement of customer support: Establish a more complete customer support system, provide 24/7 technical support and maintenance services, and ensure

the efficient experience of customers in the use of equipment.

- Customized services: Provide more customized services and solutions according to customers' individual needs to enhance customer satisfaction and loyalty.

4. Sustainable Development

- Environmentally friendly technology: Develop and adopt environmentally friendly materials and processes to reduce the environmental impact during the production and use of equipment and promote sustainable development.
- Energy saving and consumption reduction: Optimize the energy efficiency of equipment, reduce energy consumption, improve resource utilization efficiency, and support the development of green technology.

5. Internal optimization

- Intelligent management: Implement intelligent management systems and data analysis tools to improve productivity and management and reduce operating costs.
- Employee Training: Enhance employee training and skills upgrading to build a high-quality team to meet changing market demands and technological challenges.

6. Innovation ecosystem

- Establishment of innovation platform: Create innovation platforms and laboratories to support employees and partners in technological innovation and product development.
- Industry Chain Cooperation: Deepen cooperation with the upstream and downstream of the industry chain, integrate resources, and promote the development and implementation of industry technical standards and market norms.

Through these future plans, Kintek Solution Ltd will continue to lead the forefront of science and technology, provide customers with more advanced and reliable products and services, and at the same time, promote the sustainable development of the enterprise and the progress of the industry.



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

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.

Integrated Manual Heated Lab Pellet Press 120Mm / 180Mm / 200Mm / 300Mm

Item Number: PCY



Introduction

Efficiently process heat-pressing samples with our Integrated Manual Heated Lab Press. With a heating range up to 500°C, it's perfect for various industries.

[Learn More](#)

Instrument model	PCY-5T1212	PCY-10T1818	PCY-10T2020	PCY-15T3030
Pressure Range	0-5.0 tons	0-10.0 tons	0-10.0 tons	0-15.0 tons
Piston diameter	50mm (d) in chrome plated oil cylinder	65mm (d) in chrome plated oil cylinder	65mm (d) in chrome plated oil cylinder	95mm (d) in chrome plated oil cylinder
Main overall structure	Equipment without sealed connections to reduce oil leakage points	Equipment without sealed connections to reduce oil leakage points	Equipment without sealed connections to reduce oil leakage points	Equipment without sealed connections to reduce oil leakage points
Mold heating temperature	Room temperature -300.0C/500.0C	Room temperature-300.0C/500.0C	Room temperature-300.0C/500.0C	Room temperature-300.0C/500.0C
Insulation method	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]
Hot platen size	Double plate heating 120×120mm(M×N)	Double plate heating 180×180mm(M×N)	Double plate heating 200×200mm(M×N)	Double plate heating 300×300mm(M×N)
Workspace	140×140×60mm	180×180×60mm	200×200×60 mm	300×300×65mm
Dimensions	250×230×390mm(L×W×H)	290×290×420mm(L×W×H)	320×290×420mm(L×W×H)	450×420×450mm(L×W×H)
Power supply	700W(220V/110V can be customized)	1000 W(220V/110V can be customized)	1200 W(220V/110V can be customized)	3000 W(220V/110V can be customized)
Weight	55 Kg	90 Kg	95Kg	180Kg
Dimensional diagram of powder tablet press	See picture below	See picture below	See picture below	See picture below

Split Manual Heated Lab Pellet Press 30T / 40T

Item Number: PCSM



Introduction

Efficiently prepare your samples with our Split Manual Heated Lab Press. With a pressure range up to 40T and heating plates up to 300°C, it's perfect for various industries.

[Learn More](#)

Instrument model	PCSM-30T3030	PCSM-40T4040
Pressure Range	0-30.0 tons	0-40.0 tons
Piston diameter	130mm (d) in chrome plated oil cylinder	130mm (d) in chrome plated oil cylinder
Main overall structure	Equipment without sealed connections to reduce oil leakage points	Equipment without sealed connections to reduce oil leakage points
Mold heating temperature	Room temperature-300.0C/500.0C	Room temperature-300.0C
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	300×300mm (M×N)	400×400mm(M×N)
Host size	380×350×600mm(K×P×H)	500×480×650(K×P×H)
Dimensions	700×400×600mm(L×W×H)	800×480×650(L×W×H)
Power supply	3000 W(220V/110V can be customized)	5000 W(220V/110V can be customized)
Weight	260 Kg	460Kg
Dimensional diagram of powder tablet press	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.

Kbr Pellet Press 2T

Item Number: PCKBR



Introduction

Introducing the KINTEK KBR Press - a handheld laboratory hydraulic press designed for entry-level users.

[Learn More](#)

Model	PCKBR-2T
Working pressure(T)	0-2(30Mpa)
Piston diameter	≤1MPa/10min
Workbench diameter	Φ45mm(D)
Number of columns	Two
Working space	54×55 (M×N)
Dimensions	100×220×220(W×L×H)
Weight(kg)	4.8kg

Manual Lab Pellet Press For Vacuum Box

Item Number: PCVM



Introduction

The lab press for vacuum box is a specialized piece of equipment designed for laboratory use. Its main purpose is to press pills and powders according to specific requirements.

[Learn More](#)

Instrument model	PCVM-10T
Pressure Range	0-10.0 tons
Pressurization process	Manual pressurization
Heating temperature	Maximum 500°C
Heating plate	180x180mm□200x200mm
Vacuum box material	SUS 304 (stainless steel)
Studio Size	400x400x400mm
Door size	300x350mm
Vacuum degree	-0.1MPa
Dimensions	450x550x850(LxWxH)
powersupply	220V50Hz (can support 110V)

Manual Heat Press High Temperature Hot Pressing

Item Number: CPCL



Introduction

The Manual Heat Press is a versatile piece of equipment suitable for a variety of applications, operated by a manual hydraulic system that applies controlled pressure and heat to the material placed on the piston.

[Learn More](#)

Instrument model	PC-900L
Pressure Range	0-5.0 tons
Pressurization process	Manual pressurization
Cylinder stroke	80mm
Heating temperature	Up to 1000°C
Mold material	Nickel-based alloy (high temperature resistant material)
Sample size	Φ10-30mm
Mold shape	Φ50x90mm
The caliber of the furnace	Φ60mm
Size of the whale machine	400x380x780(LxWxH)
power supply	220V 50Hz

Dimensional diagram of powder tablet press



Kintek Solution

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