



KINTEK SOLUTION

## Pellet Dies 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.



# Cylindrical Press Mold

Item Number: PMC



## Introduction

Efficiently form and test most samples with Cylindrical Press Molds in a range of sizes. Made of Japanese high-speed steel, with long service life and customizable sizes.

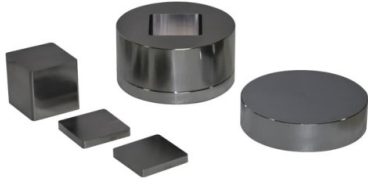
[Learn More](#)

Instrument model	PMC-A	PMC-B	PMC-C	PMC-D	PMC-E	PMC-F
Die material	High-speed tool steel ASSAB +17			Alloy tool steel :Cr12MoV		
Indenter hardness	HRC68-HRC70		HRC60-HRC62			
Sample size	Φ3[]Φ4[]Φ5[] mm ((M))	Φ7[]Φ9[]Φ10[]Φ11[]Φ11.5[]Φ12[] mm(M)	Φ15[]Φ16[]Φ18[]Φ20[]Φ22[]Φ25 (M)	Φ28[]Φ30[]Φ32[]Φ35[]Φ40n (M)	Φ50[]Φ60[]Φ70mm (M)	Φ80[]Φ90[]Φ100mm (M)
Cavity depth	20mm (N)	30mm (N)	40mm (N)	45mm (N)	55[]60[]65mm(N)	65mm(N)
Dimensions	Φ43 * 78mm (L*H)	Φ43*93mm(L*H)	Φ53*120mm(L*H)	Φ73*133mm(L*H)	Φ88*150mm[]Φ98*180mm[]Φ108*180mm(L*H	Φ118*150mm[]Φ128*180mm[]
Weight	0.55Kg	0.67Kg	1.34Kg	2.9Kg	5.1Kg[]7.3Kg[]9Kg	11.5Kg[]14Kg[]20Kg

Other sizes can be customized

# Square Lab Press Mold

Item Number: PMS



## Introduction

Create uniform samples easily with Square Lab Press Mold - available in various sizes. Ideal for battery, cement, ceramics, and more. Custom sizes available.

[Learn More](#)

Model	PMS-A	PMS-B	PMS-C	PMS-D	PMS-E	PMS-F	PMS-G
Material	Cr12MoV						
Indenter hardness	HRC60-HRC62						
Sample size	3×3 /4×4 /5×5 /6×6 /8×8 /10×10 mm	12×12 /15×15 /16×16 /18×18 /20×20 mm	22×22 /25×25 /30×30 mm	32×32 /35×35 /40×40 mm	50×50 /60×60 /70×70 mm		81-150 mm(long side) 151-200 mm(long side)
Cavity depth	20 mm	30 mm	40 mm	45 mm	55/60/65 mm		60 mm 60 mm
External dimensions	φ43×93mm	φ53×120mm	φ73×133mm	φ88×150mm	φ98×150mm/φ118×180mm/φ138×180mm		160×140mm 220×160mm
Weight(Kg)	0.65	1.2	2.4	4.8	7.3/11.4/20		25kg-40kg 45kg-80kg

**Other sizes can be customized**

# Assemble Lab Cylindrical Press Mold

Item Number: PMAC



## Introduction

Get reliable and precise molding with Assemble Lab Cylindrical Press Mold. Perfect for ultra-fine powder or delicate samples, widely used in material research and development.

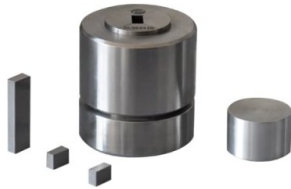
[Learn More](#)

Model	PMAS-A	PMAS-B	PMAS-C	PMAS-D	PMAS-E
Material	Cr12MoV				
Indenter hardness	HRC60-HRC62				
Sample size	Φ3[]Φ4[]Φ5[]Φ6[]Φ8[]Φ10mm (M)	Φ12[]Φ13[]Φ15[]Φ18[]Φ20mm (M)	Φ30[]Φ40mm (M)	Φ50[]Φ60mm (M)	Φ70[]Φ80 mm (M)
Cavity depth	30mm (N)	40 mm (N)	50 mm (N)	55 mm (N)	60 mm (N)
External dimensions	Φ43*93mm(L*H)	Φ53*120mm(L*H)	Φ73*133mm[]Φ95*133mm(L*H)	Φ115*150mm[]Φ127*150mm (L*H)	Φ153*180mm[]Φ180*180mm(L*H)
Weight(Kg)	0.75Kg	1.2Kg	3.8Kg[]6.3Kg	14Kg[]20Kg	30Kg[]40Kg

**Other sizes can be customized**

# Assemble Square Lab Press Mold

Item Number: PMAS



## Introduction

Achieve perfect sample preparation with Assemble Square Lab Press Mold. Quick disassembly eliminates sample deformation. Perfect for battery, cement, ceramics, and more. Customizable sizes available.

[Learn More](#)

Model	PMAS-A	PMAS-B	PMAS-C	PMAS-D	PMAS-E
Material	Cr12MoV				
Indenter hardness	HRC60-HRC62				
Sample size	3*3[4*4[5*5[6*6[8*8[10*10] mm (M)	12*12[15*15[18*18[20*20mm(N)	30*30[40*40 mm (M)	50*50[60*60 mm(M)	70*70[80*80 mm (M)
Cavity depth	30mm (N)	40 mm (N)	50 mm (N)	55 mm (N)	60 mm (N)
External dimensions	Φ53*120mm(L*H)	Φ73*133mm(L*H)	Φ95*133mm[Φ115*133mm(L*H)	Φ127*150mm[Φ153*150mm (L*H)	Φ180*180mm[Φ200*180mm(L*H)
Weight(Kg)	1.2Kg	3.6Kg	7Kg[14Kg	20Kg[30Kg	40Kg[50Kg

**Other sizes can be customized**

## Carbide Lab Press Mold

Item Number: PMW



### Introduction

Form ultra-hard samples with Carbide Lab Press Mold. Made of Japanese high-speed steel, it has a long service life. Custom sizes available.

[Learn More](#)

Model	PMW-A	PMW-B	PMW-C				
Material	Carbide YT15						
Indenter hardness	HRC85-HRC90						
Sample size	φ3 /φ4 /φ5 /φ6 /φ8 /φ10 mm	φ12 /φ13 /φ15 /φ18 /φ20 mm	φ22 /φ25 /φ28 /φ30 mm				
Cavity depth	30 mm	40 mm	45 mm				
External dimensions	φ43×93 mm	φ53×120 mm	φ73×133 mm				
Weight(Kg)	0.78	1.8	3.8				

**Other sizes can be customized**

# Cylindrical Lab Electric Heating Press Mold

Item Number: PMH



## Introduction

Efficiently prepare samples with Cylindrical Lab Electric Heating Press Mold. Fast heating, high temp & easy operation. Custom sizes available. Perfect for battery, ceramic & biochemical research.

[Learn More](#)

Press the shape of the sample	
Heating temperature	Room temperature-300.0C
Material of lint	Alloy tool steel:440C
indenter hardness	HRC60-HRC62
Sample size	Φ10Φ13Φ15Φ20Φ30Φ40mm(M)
Depth of cavity	40mm(N)
External dimansions	Φ78X138mmΦ90X138mm(LXH)
Power supply	300 W(220V/110V can be customized)
Mold weight	Approximately 9kg

Dimensional diagram

Mold pressure [Mpa]	50	100	300	400	600	800	1000	1200	1500
Φ8 T	0.25	0.5	1.5	2.01	3.01	4.02	5.02	6.03	7.53
Φ10 T	0.39	0.78	2.35	3.14	4.71	6.28	7.85	9.42	11.7
Φ12 T	0.56	1.13	3.39	4.52	6.78	9.04	11.3	13.5	16.9
Φ13 T	0.66	1.32	3.98	5.3	7.96	10.6	13.2	15.9	19.9
Φ15 T	0.88	1.76	5.3	7.06	10.6	14.1	17.6	21.2	26.5
Φ20 T	1.57	3.14	9.42	12.5	18.8	25.1	31.4	37.6	47.1



# No Demolding Lab Infrared Press Mold

Item Number: PMI



## Introduction

Effortlessly test your samples with no demolding required using our lab infrared press mold. Enjoy high transmittance and customizable sizes for your convenience.

[Learn More](#)

Instrument model	PMI-A	PMI-B
Sample shape		
Die material	Tungsten carbide	
Indenter hardness	HRC68-HRC85	
Sample size	Φ13 mm(M)	Φ7 mm(M)
Cavity depth	10mm(N)	5mm(N)
Dimensions	Φ76*50*70mm(L*W*H)	Φ76*30*70mm(L*W*H)
Weight	0.76Kg	0.35Kg
Diagram of hydraulic powder press size		

## Lab Infrared Press Mold

Item Number: PMID



### Introduction

Easily release samples from our lab infrared press mold for accurate testing. Ideal for battery, cement, ceramics, and other sample preparation research. Customizable sizes available.

[Learn More](#)

Instrument model	PMID
Sample shape	
Die material	Tungsten carbide
Indenter hardness	HRC68-HRC85
Sample size	Φ13 mm(M)
Cavity depth	20mm(N)
Dimensions	Φ43*78mm(L*H)
Weight	0.76Kg
Diagram of hydraulic powder press size	

# Xrf Boric Acid Lab Powder Pellet Pressing Mold

Item Number: PMXB



## Introduction

Get accurate results with our XRF Boric Acid lab Powder Pellet Pressing Mold. Perfect for preparing samples for X-ray fluorescence spectrometry. Custom sizes available.

[Learn More](#)

Instrument model	PMXB
Press the shape of the sample	
Mold material	Alloy tool steel:C-12Nov
Indenter hardness	HRC60-HRC62
Sample size	Φ32[]Φ40mm
Depth of cavity	45m (N)
External dimensions	Φ73X133mm(LXH)
Mold weight	3.2Kg
Size diagram	

The pressure is strong.[Mpa]	50	100	200	300	400	600	800	1000	1200	1500
Φ32 T	4.02	8.04	16	24.1	32.1	48.2	64.3	80.4	96.5	120
Φ40 T	6.28	12.5	25.1	37.6	50.2	75.3	100	125	150	188

Tip: The mold is used in 100-800 MPa domestically, and the maximum meal limit of the mold is 1500 MPa.

# Xrf & Kbr Steel Ring Lab Powder Pellet Pressing Mold

Item Number: PMXS



## Introduction

Produce perfect XRF samples with our steel ring lab powder pellet pressing mold. Fast tableting speed and customizable sizes for accurate molding every time.

[Learn More](#)

Instrument model	PMXS
Sample shape	
Die material	Alloy tool steel :Cr12MoV
Indenter hardness	HRC60-HRC62
Sample size	Φ32[]Φ40mm (M)
Cavity depth	45m (N)
Dimensions	Φ73*133mm(L*H)
Weight	3.2Kg
Diagram of hydraulic powder press size	

## Xrf & Kbr Plastic Ring Lab Powder Pellet Pressing Mold

Item Number: PMXP



### Introduction

Get precise XRF samples with our plastic ring lab powder pellet pressing mold. Fast tableting speed and customizable sizes for perfect molding every time.

[Learn More](#)

Instrument model	PMXP
Press the shape of the sample	
Heating temperature	Room temperature-300C
Mold material	Alloy tool steel
Sample size	Φ25mm (d)
Sample thickness	15,25,50,100,250,500um (6 quantitative rings)
External dimension	200*60mm (D*H)
Power supply	220V/300W
Size diagram	

# Double Plate Heating Mold

Item Number: PMD



## Introduction

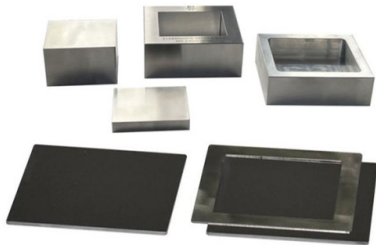
Discover precision in heating with our Double Plate Heating Mold, featuring high-quality steel and uniform temperature control for efficient lab processes. Ideal for various thermal applications.

[Learn More](#)

Instrument model	PMD
Press the shape of the sample	
Heating temperature	Room temperature-300C
Mold material	Alloy tool steel:Cr12MoV
Indenter hardness	HRC60-HRC62
Sample size	
Sample thickness	0.02-0.1mm(N)
External dimension 1	180*180*130mm(L*W*H)
External dimension 2	200*200*130mm(L*XW*H)
External dimension 3	300*300*130mm(L*W*H)
Mold weight	32Kg38Kg88Kg
Dimensional diagram	

## Special Mold For Heat Press

Item Number: PCHF



### Introduction

Square, round and flat plate forming dies for hot presses.

[Learn More](#)

Instrument model	PCHF
Sample shape	
Die heating	0°C-500°C
Indenter hardness	SUS 304
Sample size	Rectangular or bone shape
Cavity depth	0.75mm□1.35mm□1.75mm□2.75mm
Dimensions	80x80□180x180□200x200mm
Weight	0.4kg□0.8kg□1.0kg
Diagram of hydraulic powder press size	

## Isostatic Pressing Molds

Item Number: PIPM



### Introduction

Explore high-performance isostatic pressing molds for advanced material processing. Ideal for achieving uniform density and strength in manufacturing.

[Learn More](#)



## Ball Press Mold

Item Number: PMQ



### Introduction

Explore versatile Hydraulic Hot Press molds for precise compression molding. Ideal for creating various shapes and sizes with uniform stability.

[Learn More](#)

Instrument model	PMQ	
Sample shape		
Die heating	Alloy tool steel :Cr12MoV	
Indenter hardness	HRC60-HRC62	
Sample size	Φ6□Φ8□Φ10□Φ15□Φ20mm (M)	Φ30□Φ40□Φ50 mm (M)
Cavity depth	40mm (N)	60 mm (N)
Dimensions	Φ53*120mm (L*H)	Φ88*150 mm (L*H)
Weight	1.4kg	5.8kg
Diagram of hydraulic powder press size		

## Ring Press Mold

Item Number: PMO



### Introduction

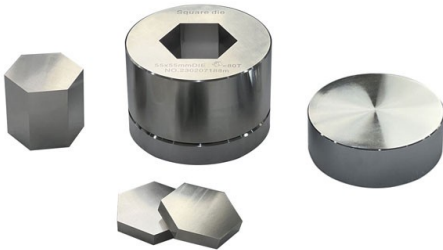
Ring Press Dies, also known as Circular Pellet Press Die Sets, are integral components in various industrial and laboratory processes.

[Learn More](#)

Instrument model	PMO	
Sample shape		
Die heating	Alloy tool steel :Cr12MoV	
Indenter hardness	HRC60-HRC62	
Sample size	Φ7-3[Φ10-5[Φ20-10 mm M)	Φ30-10[Φ50-20mm (d)
Cavity depth	40mm (N)	45 (d)
Dimensions	Φ53*120mm (L*H)	Φ72*100mm[Φ88*120(D*L)
Weight	1.4Kg	3.5kg[5kg
Diagram of hydraulic powder press size		

# Polygon Press Mold

Item Number: PMPD



## Introduction

Discover precision polygon press molds for sintering. Ideal for pentagon-shaped parts, our molds ensure uniform pressure and stability. Perfect for repeatable, high-quality production.

[Learn More](#)

Instrument model	PMPD
Sample shape	
Die heating	Alloy tool steel :Cr12MoV
Indenter hardness	HRC60-HRC62
Sample size	5*5□10*10□15*15□20*20 mm (M)
Cavity depth	40mm (N)
Dimensions	Φ53*120mm(L*H)
Weight	1.4Kg
Diagram of hydraulic powder press size	

## Special Shape Press Mold

Item Number: PMT



### Introduction

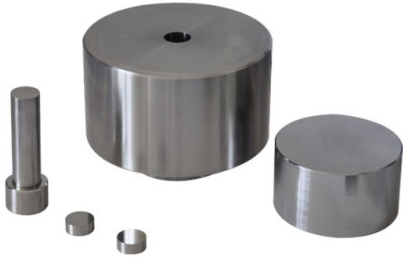
Discover high-pressure special shape press molds for diverse applications, from ceramics to automotive parts. Ideal for precise, efficient molding of various shapes and sizes.

[Learn More](#)

Instrument model	PMT
Sample shape	
Die heating	Alloy tool steel :Cr12MoV
Indenter hardness	HRC60-HRC62
Sample size	Φ6□Φ8□Φ10□Φ15□Φ20mm(M)
Cavity depth	40mm (N)
Dimensions	Φ53*120mm (L*H)
Weight	1.4Kg
Diagram of hydraulic powder press size	

# Anti-Cracking Press Mold

Item Number: PML



## Introduction

The anti-cracking press mold is a specialized equipment designed for molding various shapes and sizes of film using high pressure and electric heating.

[Learn More](#)

Instrument model	PMT
Sample shape	
Die heating	Alloy tool steel :Cr12MoV
Indenter hardness	HRC60-HRC62
Sample size	Φ6Φ8Φ10Φ15Φ20mm (M)
Cavity depth	40mm (N)
Dimensions	Φ98*120mm(L*H)
Weight	5Kg
Diagram of hydraulic powder press size	

## Cylindrical Press Mold With Scale

Item Number: PCMC



### Introduction

Discover precision with our Cylindrical Press Mold. Ideal for high-pressure applications, it molds various shapes and sizes, ensuring stability and uniformity. Perfect for lab use.

[Learn More](#)

Instrument model	PCMC
Sample shape	
Die heating	Alloy tool steel :Cr12MoV
Indenter hardness	HRC60-HRC62
Sample size	Φ10Φ12Φ13Φ15Φ18Φ20 mm (M)
Cavity depth	100mm (N)
Dimensions	Φ53*220mm(L*H)
Weight	4.8Kg
Diagram of hydraulic powder press size	

# Round Bidirectional Press Mold

Item Number: PMSY



## Introduction

The round bidirectional press mold is a specialized tool used in high-pressure molding processes, particularly for creating intricate shapes from metal powders.

[Learn More](#)

<b>Instrument model</b>	<b>PMSY</b>
Sample shape	
Die material	Alloy tool steel : Cr12MoV
Indenter hardness	HRC60-HRC62
Sample size	Φ12[]Φ13[]Φ15[]Φ18[]Φ20mm(M)
Cavity depth	40mm (N)
Dimensions	Φ88*175mm(L*H)
Weight	3.0Kg
Diagram of hydraulic powder press size	

# Square Bidirectional Pressure Mold

Item Number: PMS-F



## Introduction

Discover precision in molding with our Square Bidirectional Pressure Mold. Ideal for creating diverse shapes and sizes, from squares to hexagons, under high pressure and uniform heating. Perfect for advanced material processing.

[Learn More](#)

Instrument model	PMSY
Sample shape	
Die material	Alloy tool steel : Cr12MoV
Indenter hardness	HRC60-HRC62
Sample size	12*12□15*15□18*18□20*20 mm(M)
Cavity depth	40mm (N)
Dimensions	Φ88*175mm(L*H)
Weight	3.0Kg
Diagram of hydraulic powder press size	



# Button Battery Disassembly And Sealing Mold

Item Number: PCKM



## Introduction

The simple sealing and disassembly mold can be directly used on ordinary tablet presses, which can save costs, is convenient and fast, and can be used to encapsulate and disassemble button batteries. Other specifications can be customized.

[Learn More](#)

Instrument model	Button battery removal mold	Button battery sealing mold
Disassembly die	CR16,CR20,CR24,CR30 optional	CR16,CR20,CR24,CR30 optional
Disassembly pressure		0.8-1.2Ton
Dimensions	Φ60*140mm(L*H)	Φ60X140mm(LXH)
Weight	1.85kg	1.85kg

Sealing mold size diagram

# Infrared Heating Quantitative Flat Plate Mold

Item Number: PMHD



## Introduction

Discover advanced infrared heating solutions with high-density insulation and precise PID control for uniform thermal performance in various applications.

[Learn More](#)

Instrument model	PMHD-A	PMHD-B
Sample shape		
Die heating	0.0°C-300.0°C	0.0°C-300.0°C
Die material	Alloy tool steel :Cr12MoV	Alloy tool steel :Cr12MoV
Sample size	Φ50mm (d)	Φ25mm (d)
Sample thickr	15-100μm	25[50]100[250]500μm(6 measuring loops)
Dimensions	200*60mm (D*H)	200*60mm(D*H)
Weight	220V/300W	220V/300W
Diagram of hydraulic powder press size		

# Button Battery Tablet Press Sealing Mold

Item Number: PMN



## Introduction

The sealing die is essential for assembling button batteries, ensuring components like the anode, cathode, and electrolyte are securely enclosed.

[Learn More](#)

Instrument model	PMN
Dual-purpose mold	Sealing, opening and dual-use
Sealing function	CR16,CR20,CR24,CR30 optional
Sealing pressure	0.8-1.2 Ton
Dismantling function	CR16,CR20,CR24,CR30 optional
Dismantling pressure	
Diagram of hydraulic powder press size	



**Kintek Solution**

Head Quarter: No.89 Science Avenue, High-Tech Zone,  
Zhengzhou, China

