KINTEK SOLUTION

Molds & Accessories 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 efficicent and reliable technology and innovations in the scienticfic researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vaccum creating, refrigerating, as while as pharmaceutical and petroleum extracting equipment.

Cylindrical Press Mold For Lab Applications

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.

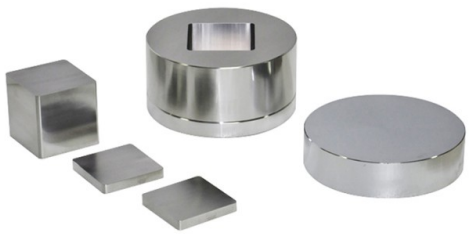
Learn More

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□Φ mm ((M)	Φ7□8□9□10□11□11.5□12□1 mm(M)	Φ15□Φ16□Φ18□Φ20□Φ22□Φ25 (M)	Φ28□Φ30□Φ32□Φ35□Φ40m (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□Φ
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 For Laboratory Applications

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	PMAC-A	PMAC-B	PMAC-C	PMAC-D	PMAC-E
Material	Cr12MoV				
Indenter hardness	HRC60-HRC62				
Sample size	Φ3、Φ4、Φ5、Φ6、Φ8、Φ10mr (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 For Laboratory Applications

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*1 mm (M)	12*12□15*15□18*18□20*20mm(M	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 For Laboratory Applications

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 For Laboratory Applications

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	
Heatingtemperature	Room temperature-300.0C
Material of lint	Alloy tool steel:440C
indenter hardness	HRC60-HRC62
Sample size	Φ10□Φ13□Φ15□Φ20□Φ30□Φ40mm(M)
Depth ofcavity	40mm(N)
External dimansions	Φ78*138mm□Φ90*138mm(L**H)
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 For Laboratory Applications

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 For Laboratory Use

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 For Ftir

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 For Ftir

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 Press Mold For Lab

Item Number: PMD

Introduction

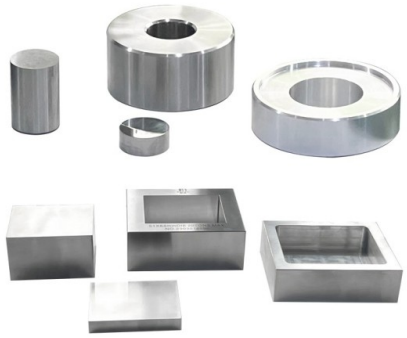
Discover precision in heating with our Double Plate Heating Mold, featuring high-quality steel and uniform temperature control for efficient lab processes. Ideal for various thermal applications.

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 Heat Press Mold For Lab Use

Item Number: PCHF



Introduction

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

Learn More

Instrument model	PCHF
Sample shape	
Die heating	0℃-500℃
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 Molding Pressing Molds For Lab

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 For Lab

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 For Lab Applications

Item Number: PMO

Introduction

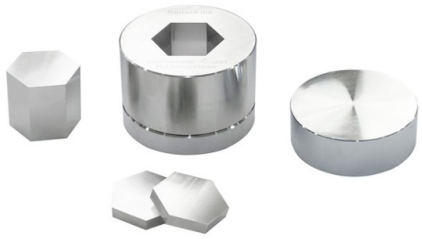
Ring Press Dies, also known as Circular Pellet Press Die Sets, are integral components in various industrial and laboratory processes.

Learn More

Instrument model	PMQ	
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 For Lab

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 For Lab

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 For Lab Use

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	Φ6、Φ8、Φ10、Φ15、Φ20mm (M)
Cavity depth	40mm (N)
Dimensions	Φ98*120mm(L*H)
Weight	5Kg
Diagram of hydraulic powder press size	

Cylindrical Press Mold With Scale For Lab

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	Φ10、Φ12、Φ13、Φ15、Φ18、Φ20 mm (M)
Cavity depth	100mm (N)
Dimensions	Φ53*220mm(L*H)
Weight	4.8Kg
Diagram of hydraulic powder press size	

Round Bidirectional Press Mold For Lab

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

Instrument model	PMSY
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 For Lab Use

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 For Lab Use

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,CR2O,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 Press 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℃-300.0℃	0.0℃-300.0℃
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 For Lab Use

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

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