



KINTEK PRESS

Cold Isostatic Press Catalog

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KINTEK PRESS

COMPANY PROFILE

>>> About Us

KINTEK Press is a technology-driven innovator specializing in precision lab press equipment, including automatic lab presses, isostatic presses, heated lab presses, and other specialized compaction systems. Designed for materials science, research & development, sample preparation, and quality control applications, our robust, reliable systems prioritize precision, safety, and repeatability in demanding pressing operations and material characterization, empowering researchers and industrial labs to achieve groundbreaking results.



Manual Cold Isostatic Pressing Cip Machine Pellet Press

Item Number: PCIM



Introduction

KINTEK Lab Manual Isostatic Press ensures superior sample uniformity & density. Precision control, durable construction, and versatile forming for advanced lab needs. Explore now!

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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.

Electric Lab Cold Isostatic Press Cip Machine

Item Number: PCIE



Introduction

KINTEK's Lab Electric Isostatic Cold Press delivers precision, efficiency, and superior sample quality for advanced research. Explore customizable models today!

[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

Automatic Lab Cold Isostatic Pressing Cip Machine

Item Number: PCIA



Introduction

High-efficiency Automatic Cold Isostatic Press (CIP) for precise lab sample preparation. Uniform compaction, customizable models. Contact KINTEK experts today!

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Apparatus Model	PCIA-20T	PCIA-40T	PCIA-60T	PCIA-100T
Piston Diameter	110 mm (d) in chrome-plated oil cylinder	130 mm (d) in chrome-plated oil cylinder	150 mm (d) in chrome-plated oil cylinder	200 mm (d) in chrome-plated oil cylinder
Machining Process Pressurization	Program Pressurization - Program Maintenance - Timed Pressure Release	Program Pressurization - Program Maintenance - Timed Release	Program Pressurization - Program Maintenance - Timed Release	Program Pressurization - Program Maintenance - Timed Pressure Release
Pressure Conversion	The program automatically converts the sample withstand pressure	The program automatically converts the sample withstand pressure	The program automatically converts the Sample Withstand Pressure	The program automatically converts the sample withstand pressure.
Display	4.3-inch LCD display	4.3-inch LCD display	4.3-inch LCD display	7-inch LCD display
Equipment Protection	Steel plate protection with organic glass door	Steel plate protection with organic glass door	Steel plate protection with glass door organic	Sheet steel protection with organic glass door
Isostatic pressure	300-500MPA	300-500MPA	300-500MPA	300-500MPA
Pressure chamber Isostatics	Φ30×150mm(M×N)	Φ40×150mm(M×N)	Φ50×150mm/30×150mm	Φ60×150(M×N)
Cylinder stroke (T)	50mm	50mm	50mm	50mm
Characteristics of the manufacture of Samples	Top panel rocker structure for more comfortable operation	Top panel rocker structure for more comfortable operation	Top panel rocker structure for more comfortable operation	Top panel rocker structure for more comfortable operation
Dimensions exterior	240×390×560(LENGTH×WIDTH×HEIGHT)	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 customize)	550W(220V/110 can be customized)
Weight of the equipment	120KG	180KG	240KG	290KG

Electric Split Lab Cold Isostatic Pressing Cip Machine

Item Number: PCESI



Introduction

KINTEK Lab Electric Cold Isostatic Press ensures precise sample preparation with uniform pressure. Ideal for material science, pharmaceuticals, and electronics. Explore models now!

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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			
Pressure conversion	The program automatically converts the pressure borne by the sample			
Display	7-inch LCD screen			
Equipment protection	Steel plate protection with organic glass 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/110V can be customized)			
Equipment weight	350kg	580kg	680kg	980kg



Kintek Press

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