

ISOSTATIC

Dry bag cold isostatic presses for hard metals, ceramics, polymers, glass and more



MONOSTATIC SPECIFICATIONS

Model	Type	Holding Capacity	Maximum Fill Diameter		Maximum Part Length		Maximum Isostatic Pressure	
		Tons	mm	Inches	mm	Inches	bar	psi
100 TON	45/300/2400	100	45	1.77	300	11.81	2400	34810
	60/300/2000	100	60	2.36	300	11.81	2000	29010
	75/300/1400	100	75	2.95	300	11.81	1400	20300
	45/425/2400	100	45	1.77	425	16.73	2400	34810
	60/425/2000	100	60	2.36	425	16.73	2000	29010
	75/425/1400	100	75	2.95	425	16.73	1400	20300
300 TON	80/425/2400	300	80	3.15	425	16.73	2400	34810
	80/450/2400	300	80	3.15	450	17.72	2400	34810
	105/425/2000	300	105	4.13	425	16.73	2000	29010
	105/450/2000	300	105	4.13	450	17.72	2000	29010
	135/425/1400	300	135	5.31	425	16.73	1400	20300
	135/450/1400	300	135	5.31	450	17.72	1400	20300
	155/425/1000	300	155	6.10	425	16.73	1000	14500
	155/450/1000	300	155	6.10	450	17.72	1000	14500
400 TON	80/425/3000	400	80	3.15	425	16.73	3000	43510
	80/450/3000	400	80	3.15	450	17.72	3000	43510
	105/425/2400	400	105	4.13	425	16.73	2400	34810
	105/450/2400	400	105	4.13	450	17.72	2400	34810
	135/425/2000	400	135	5.31	425	16.73	2000	29010
	135/450/2000	400	135	5.31	450	17.72	2000	29010
	155/425/1400	400	155	6.10	425	16.73	1400	20300
	155/450/1400	400	155	6.10	450	17.72	1400	20300
	180/425/800	400	180	7.09	425	16.73	800	11600
	180/450/800	400	180	7.09	450	17.72	800	11600

DENSOMATIC SPECIFICATIONS

	Capacity	Type	Cavities	PPM	Maximum Fill Diameter		Maximum Part Length		Maximum Isostatic Pressure	
					mm	Inches	mm	Inches	bar	psi
DENSOMATIC PRESS	5 Ton	1/5/570	1	2	23	0.91	120	4.72	570	8265
	15 Ton	1/15/2100	1	2	23	0.91	114	4.50	2100	20450
	16 Ton	6/16/830	6	30	30	1.18	120	4.72	830	12035
		4/16/2100	4	5	20	0.79	120	4.72	2100	30450
	20 Ton	2/20/520C	2	10	23	0.91	140	5.51	520	7540
		6/20/520C	6	10	23	0.91	90	3.54	520	7540
	30 Ton	6/30/800	6	12	23	0.91	105	4.13	800	11600
		3/30/00	3	2.5	23	0.91	105	4.13	2100	30450
	40 Ton	4/40/2000	4	16	80	3.15	120	4.72	2100	29000
	65 Ton	4/65/600	4	12	80	3.15	170	6.69	600	8700
		4/65/2100	4	12	105	4.13	125	4.92	2100	30450
	125 Ton	6/125/2100	6	4.5	28	1.13	114	4.50	2100	30450
PRESSURE GRINDER	150 Ton	3/150/800	3	7.5	80	3.15	230	9.06	800	11600
	180 Ton	1/180/1000	1	1	80	3.15	230	7.87	1000	14500
	16 Ton	6/16/830-G18	6	30	30	1.18	120	4.72	830	12035
	20 Ton	6/20/520-G18	6	10	23	0.91	105	4.13	520	7540
	30 Ton	6/30/800-G18	6	12	23	0.91	105	4.13	800	11600
		3/30/2100-G18	3	2.5	24	0.94	150	5.19	2100	30450
	125 Ton	6/125/2100-G18	6	4	28	1.13	114	4.50	2100	30450

EXPERTISE

Work with a company that understands your business. Gasbarre has been building presses for over 40 years, and we understand the needs of our customers– and the obstacles to their success. Expert advice comes standard with a Gasbarre press.

SELECTION

Mechanical, Hydraulic, Electric, Isostatic, High Speed; Gasbarre Press offers the widest selection of presses and accessory products available. Our presses are designed and built for maximum flexibility within your operation, allowing a wider range of use and faster ROI. Because your press should fit your needs, not the other way around.

SERVICE

Gasbarre customers require maximum up-time, and Gasbarre offers unmatched field service to deliver just that. In addition to emergency press service, Gasbarre offers machine operation and maintenance training as well as custom-designed maintenance programs performed by Gasbarre professionals. When our customers need help the most, we're only a phone call away.

WORLDWIDE SUPPORT

Gasbarre Products' qualified technicians, trainers, and sales staff offer prompt courteous assistance to help maintain your press at peak performance. Consultation is available via telephone or email, or on-site through our worldwide network of factory trained technicians.



*Mechanical
Hydraulic
Electric
Isostatic
High-Speed
Press Accessories
Tooling
Precision Machining
Design Services*



*Sintering
Brazing
Quench
Annealing
Steam Treating
Tempering
Vacuum
Atmospheric*



*Engineering & Design
Custom Fabrication
Machining
Electrical Assembly*



*System Integration
Process Improvement*



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ADVANCED POWDER COMPACTION PRESS TECHNOLOGY

GLOBAL SUPPORT TEAM
ON-SITE SERVICE



PERFORMANCE SERIES

The affordable solution for single to multi-level parts



MULTI-ACTION SERIES

State-of-the-art technology for complex, multi-level parts

Mechanical Powder Compacting Press Specifications

Tonnage		15		30		45		60		100		200 ³		300		400		550		750	
Fill/Stroke		fill	stroke	fill	stroke	fill	stroke	fill	stroke	fill	stroke	fill	stroke	fill	stroke	fill	stroke	fill	stroke	fill	stroke
PERFORMANCE SERIES ¹	inch	2.50	4.50	3.25	5.25	4.50	7.00	6.25	9.00	6.25	9.00	6.25	9.00	6.25	9.00	6.25	10.00	6.25	10.00	6.25	10.00
	mm	64	114	83	133	114	178	159	229	159	229	159	229	159	229	159	254	159	254	159	254
DIE SET SERIES ²	inch	2.75	4.50	3.25	5.50	4.50	7.00	6.25	9.00	6.25	9.00	6.25	9.00	6.25	9.00	6.25	10.00	6.25	10.00	6.25	10.00
	mm	70	114	83	140	114	178	159	229	159	229	159	229	159	229	159	254	159	254	159	254
MULTI-ACTION SERIES ²	inch	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	6.25	9.00	6.25	9.00	6.25	10.00	6.25	10.00	6.25	10.00
	mm	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	159	229	159	229	159	254	159	254	159	254
Range of Speed Adjustment Strokes Per Minute		10 - 50		8 - 40		7 - 30		7 - 25		7 - 25		7 - 22		7 - 19		7 - 17		7 - 17		7 - 13	



DIE SET SERIES

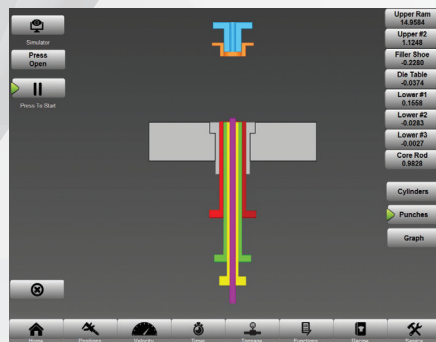
Ideal for multi-level parts and applications requiring removable die set



CNC HYDRAULIC

Simple set up, precise production and maximum uptime

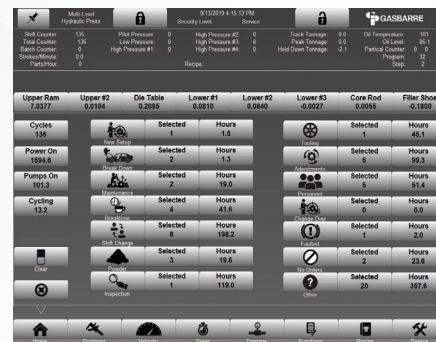
GASBARRE HYDRAULIC PRESS HUMAN-MACHINE INTERFACE provides an easy-to-use operating environment. Simulate setup, make on-the-fly fine tuning adjustments, monitor operation graphically, set maintenance alerts, and diagnose trouble - all in one location and protected with defined access levels.



TOOL SET-UP SIMULATOR
Verify tool setup prior to operating



VISUAL FEEDBACK
Monitor critical parameters in real-time



OVERALL EQUIPMENT EFFECTIVENESS (OEE)
Log crucial output & incident data

Hydraulic Press Specifications MULTI-LEVEL DESIGNS, 15 TO 1600 TONS

MODEL		15	30	60	125	250	350	550	750	1200	1600
PRESSING CAPACITY	TONS	15	30	60	125	250	350	550	750	1200	1600
	kN	136	272	544	1134	2680	3175	4989	6803	10884	15942
FILL	INCHES	5	5	10	10	10	10	10	10	10	10
	MM	127	127	254	254	254	254	254	254	254	254
STROKE	INCHES	12	14	16	16	16	16	16	16	16	16
	MM	305	356	406	406	406	406	406	406	406	406
EJECTION CAPACITY	TONS	7.5	15	30	62.5	125	175	275	375	600	800
	kN	68	136	272	567	1134	1587	2494	3401	5442	7971

PRESS TO POSITION OR PRESSURE
uses control parameter to suit your process best

PART BALANCE SYSTEM
adjustable control of front-to-back die filling

AUTO FILL ADJUST
compensate for process variations automatically

DEFLECTION/SPRING BACK COMPENSATION
reduce or eliminate cracks in complex parts

HIGH SPEED MULTIPAK

Anvil and Conventional presses for hard metals, ceramics, polymers, glass and more



	Model	ANVIL PRESSES					CONVENTIONAL PRESSES				
		1204	601	611	1601	3101	212	612	1612	3112	
Strokes per minute ¹	min-max	25-150	20-150	50-300	15-100	10-60	25-100	25-100	10-80	10-40	
Maximum Press Force	tons-kN	4 35	6 54	6 54	16 145	35 318	2 18	6 54	16 145	35 318	
Maximum Eject Force	tons-kN	2 18	3 27	3 27	8 73	17.5 159	1 9	3 27	8 73	17.5 159	
Upper Ram Stroke	in.-mm	anvil	anvil	anvil	anvil	anvil	1.17 29.72	1.75 44.00	2.38 60.00	3.63 92.00	
Maximum Fill	in.-mm	0.30 7.62	0.30 7.62	0.15 3.81	0.30 7.62	0.30 7.62	0.30 7.62	0.75 19.10	- -	- -	
Depth Cams ²	in.-mm	0.60 15.00	0.75 19.00	- -	0.75 19.00	0.75 19.00	0.60 15.00	1.10 27.90	0.75 19.00	0.75 19.00	
	in.-mm	1.10 27.90	1.10 28.00	- -	2.00 50.80	2.00 50.80	- -	1.50 38.10	2.00 50.80	2.00 50.80	
	in.-mm	- -	- -	- -	- -	3.00 76.20	- -	1.75 44.50	- -	3.00 76.20	
Max. Part Thickness	in.-mm	.55 13.97	.55 13.97	0.08 1.91	1.00 25.40	1.50 38.10	0.30 7.62	0.88 22.23	1.00 25.40	1.50 38.10	
Max. Part Diameter ³	in.-mm	0.85 21.60	1.25 31.80	0.75 19.05	1.75 44.40	2.00 50.80	0.50 12.70	1.25 31.80	1.75 44.40	2.00 50.80	
Cavities ⁴		1-22	1-30	1-22	1-50	1-50	1-22	1-30	1-50	1-50	
Air Pressure Req'd.	psi-bar	80 5.5	80 5.5	80 5.5	80 5.5	80 5.5	80 5.5	80 5.5	80 5.5	80 5.5	
Free Air Req'd.	scfm-m ³ /min	10 0.283	10 0.283	10 0.283	20 0.566	20 0.566	20 0.566	20 0.566	20 0.566	20 0.566	
Overall Height ⁶	in.-mm	61 1549	66 1676	66 1676	85 2158	87 2209	70 1778	77 1955	96 2437	96 2437	
Overall Width	in.-mm	24 610	36 914	31 787	36 914	36 914	31 787	31 787	36 914	36 914	
Overall Depth	in.-mm	24 610	30 762	27 686	52 1321	58 1437	24 610	27 686	52 1321	57 1449	
Net Weight (approx.)	lbs.-kg	610 277	1650 748	1650 748	4400 2000	5600 2540	800 362	2200 998	6900 3130	8150 3697	

YOUR FIRST CHOICE FOR AUTOMATION

PRESS UNLOAD PACKAGE

- For any Gasbarre press up to 750 US tons
- 3D simulation of final product in production
- FANUC LR Mate Robot
- Robot press-mounted (swing or solid mount) or pedestal style
- Remote mount start/stop/mode switch
- 80/20 style guarding and area scanner: solid or folding wall
- Standard grippers (max \$500 price)
- Initial training PLUS six months complimentary on-site* technical support and up to 8 hours of additional training

