

HYDRAULIC COMPACTING & SIZING PRESSES

GASBARRE PRESS DIVISION

Mechanical Compacting & Sizing Presses
DuBois, PA

BEST HYDRAULIC PRESS

Hydraulic Compacting & Sizing Presses
DuBois, PA

PTX-PENTRONIX

High Speed Compacting Presses
Taylor, MI

SIMAC LTD.

Isostatic Presses
Rugby, England

SINTERITE PRODUCTS

Continuous Belt Sintering Furnaces
St. Marys, PA

C.I. HAYES

High Temperature Furnaces
Cranston, RI

J.L. BECKER

Heat Treating Equipment and Components
Plymouth, MI

McKEE CARBIDE TOOL

Precision Machined Components
Olanta, PA

MAJOR GAUGE & TOOL

Precision Machined Components
Livonia, MI

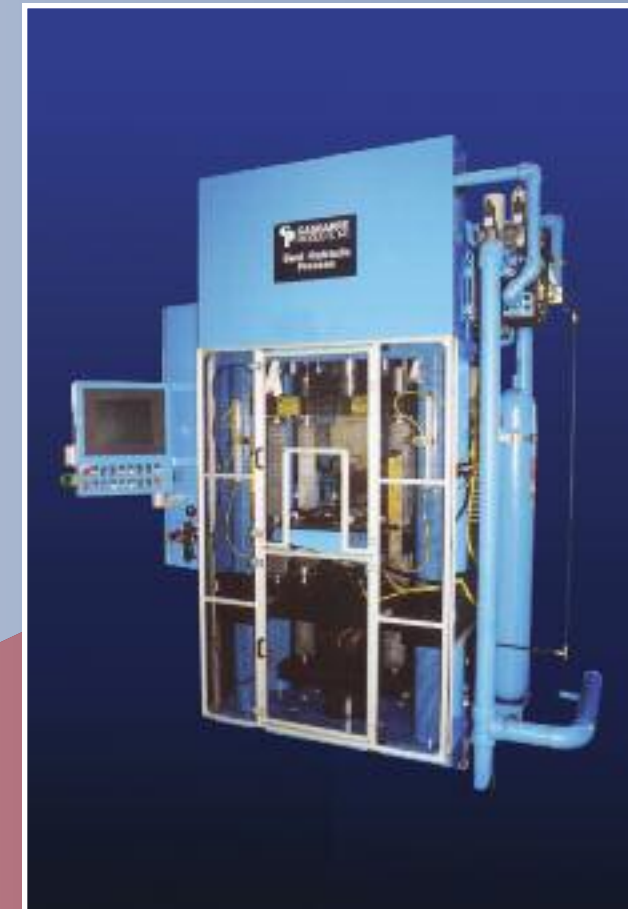
REMANUFACTURING AND REBUILD SERVICES

We offer a complete range of services for Gasbarre presses, as well as other manufacturers. Our rebuild team can disassemble and clean your press, evaluate wear surfaces, check for structural damage, remanufacture components, and fit them to the press. These processes are followed by a thorough quality check to ensure the machine performs to your specifications.

CUSTOMER SERVICE, WORLDWIDE TECHNICAL ASSISTANCE AND REPLACEMENT PARTS

The qualified technicians, trainers and sales staff of the Customer Service Department offer prompt, courteous assistance to return and maintain your press at top operating efficiency. Consultation is available by telephone, fax or email. On-site services can be arranged through our worldwide network of factory trained technicians.

- Troubleshooting & Repair Services
- Die Set, Retrofit & Major Assemblies
- Operator, Set up and Maintenance Training
- Installation
- Field Retrofits



For Particulate Materials Industries



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Gasbarre Products is an international supplier of hydraulic and mechanical powder compacting and sizing presses for simple to complex parts. Gasbarre designs are engineered for rugged, reliable operation, and backed by our reputation for quality and customer service.



30 Ton
Hydraulic Press

Best Hydraulic Compacting Presses are available from 15 to 1200 tons for compacting single and multi-level parts from carbides, ceramics, plastics, powdered metals, and other particulate materials.

State-of-the-art CNC control provides superior accuracy of the press positioning, velocity control, and repeatability, ensuring consistent high quality production.

FEATURES

Touch Screen Operator Interface gives easy access to all settings and functions. Visual diagnostic tools are also provided.

Part Setup Recipe Storage prevents setup errors and reduces setup time.

Modem Equipped Control System enables remote access to the operating system of the press.

Top Punch Hold Down can be set to a position or pressure, permitting precise control of compacted parts during ejection.

Force Control permits pressing to position (size) or pressure (density).

Over Tonnage Protection protects tools and can be used for process control.

Part Balance Fill System gives adjustable, programmed control of front-to-back die filling.

Pneumatic Fill Shoe Hold Down System provides fully adjustable down pressure and easy shoe removal.

Auto Fill Adjust automatically compensates for process variations providing greater part consistency.

Die Underfill / Overfill adds versatility to the fill cycle and aids in consistent filling for complex part geometries.

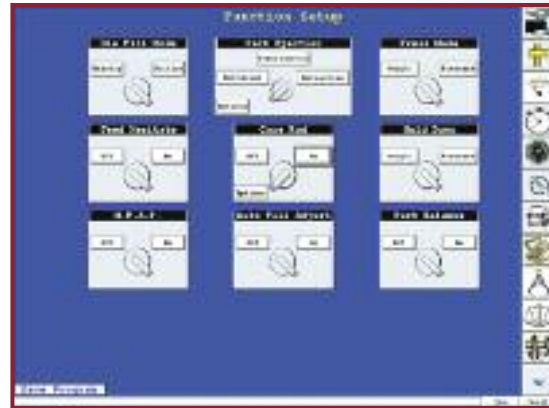
Velocity Control enables independent adjustment of fill, press, and ejection speeds.

Deflection / Spring Back Compensation helps eliminate cracks in complex parts.

Core Rod System can be mounted to float or move in direct relationship to the die platen. It can be mounted to incorporate an independent up / down motion with velocity and pressure adjustment. Mechanical down position stops are incorporated in the core rod system.

Pre-lift and Slide Block Cylinders are a cost effective way to add an auxiliary lower level to a basic single level machine providing the capability of multi-level parts.

Compound Upper Head is hydraulically activated, another cost effective way to provide dual upper punch capability to the less complex machines.



Touch Screen Control Interface



350 Ton
Hydraulic Press



TOUCH SCREEN CONTROL INTERFACE

The operator touch screen interface is used for set-up, information storage/retrieval, and maintenance of the press. Security is handled through a password secured system. Varying levels of accessibility can be selectively assigned. The available levels of access are:

- Operation**
- Set-up**
- Maintenance**

The Die Wall Lubrication System, Fluidized Fill Shoe, automated part handling, powder delivery systems, and other auxiliary processes can be integrated through the press controls.

Hydraulic Press Specifications

Model		15	30	60	125	250	350	550	750	1000	1200
Pressing Capacity	tons	15	30	60	125	250	350	550	750	1000	1200
	kN	136	272	544	1134	2268	3175	4989	6803	9070	10884
Fill*	inches	6	8	10	10	10	10	10	10	10	10
	mm	152	203	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	500	600
	kN	68	136	272	567	1134	1587	2494	3401	4535	5442
CNC Closed** Loop Axes Available		8	8	8	8	8	8	8	8	8	8

*Custom Fill Depths Available

**Additional Custom Functions Available