

The World's Finest Hydraulic Presses

GREENERD

Hydraulic Presses...No other manufacturer offers more

There Aren't Many Pressworking Operations That Couldn't Be Performed Better, Faster, More Safely, or Less Expensively on a Greenerd

There are certain operations that are better performed on mechanical presses, but advances in hydraulic press technology now make hydraulics the presses of choice for many applications.

The following chart shows how key features of Greenerd hydraulic presses translate into performance benefits.

Over 60 Years Experience in the Design and Manufacture of Hydraulic Presses

Greenerd began designing and building hydraulic presses in 1934. Since then, we have built and sold thousands of standard and custom presses to:

- Assemble
- Blank
- Form
- Draw
- Stake
- Coin
- Trim
- Rivet

Designed and Built to Last

Greenerd presses are rugged, heavy-duty machines designed and built to stand up to the rigors of three-shift manufacturing. With minor routine maintenance, they'll provide years of trouble-free service. Of all the Greenerd presses sold in the last 30 years, most are still in use.

More Models, More Choices

No other press builder offers more models in more tonnages and speeds than Greenerd. The models shown here are a cross section of our standard lines. However, if you have special requirements, please let us know.

Features	Benefits
■ Full Power Stroke	■ Full tonnage delivered over entire length of stroke—no “tonnage curve” to worry about.
■ Built-In Overload Protection	■ Press will never exceed set tonnage; will never break its frame.
■ Adjustable Tonnage	■ Can be adjusted anywhere down to 20% of maximum, allowing you to use only the tonnage you need for each job.
■ Wide Range of Hydraulic Systems Available	■ High, medium, and low speeds to match needs and cost constraints.
■ Easily Adjustable Stroke Length	■ Use only the stroke length you need for each job. Adjustments are quick (less than 5 seconds) and safe (not in the throat of the press).
■ Manifold Block Hydraulic Systems	■ Ensure low maintenance and minimize leak potential.
■ PLC Controls	■ Instant control response. Durability and long service life. LED's simplify trouble-shooting. Can be expanded to add I/O capacity.
■ Removable Table	■ Makes it easy to add T-slots, tooling mounting holes, or to resurface.
■ Reverse On Distance Or Pressure	■ Flexibility to select the best method for each job.

Standard Models

Bench Presses: HPB Series

Tonnage Range: 3, 5, 7, 10, and 15 tons

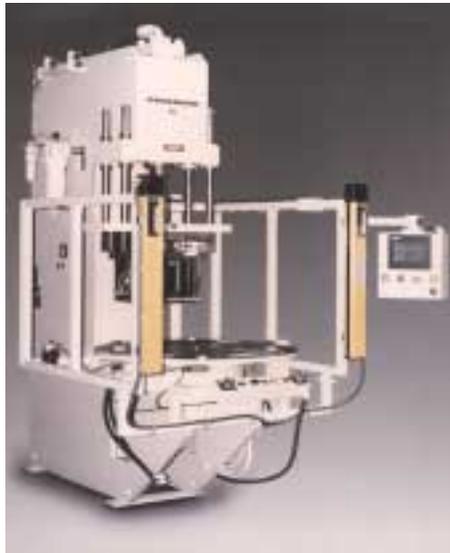


For punching, piercing, forming, staking, marking, assembling, and other metalworking operations, Greenerd HPB Series bench presses are compact, economical, and built for tough production jobs. With calibrated stroke setting, a setup jog system, and quick tonnage setting, setups are fast and easy. Fast hydraulics provide rapid cycling. Programmable controller guarantees reliability, and convenient controls simplify operation.

models or more value than Greenerd

Open-Gap C-Frame Presses: HCA Series

Tonnage Range: 6 to 250 tons



The broadest line of C-Frame presses available anywhere, Greenerd's HCA Series presses offer an unusually wide range of standard equipment, special features, accessories, and options. Designed for quick changeovers from job to job, these presses have compact frames which make tooling easier, reduce operator reach and fatigue, and take up less floor space. Extra heavy steel weldments significantly reduce frame deflection, resulting in more precise parts and longer tool life. HCA Series presses offer high-speed cycling.

Straight-Side Presses: HCT and HCTG Series

Tonnage Range: 65 to 600 tons



Exceptionally rugged presses for blanking, punching, and other metalworking operations, Centennial Series presses have a state-of-the-art straight-side frame design that eliminates lean-back. Advanced hydraulics and electronic

controls deliver high-speed cycling. A large bed, pass-through windows on both sides, a completely open back, and a large aperture in the bed allow work to be fed in any direction.

Centennial HCT Series presses have an accurate 4-post guided ram that provides stable mounting for upper tools.

Centennial HCTG Series presses feature an 8-point gib-guided slide designed to meet the most demanding requirements of large precision dies, progressive dies, and off-center loading. The adjustable square gib design offers accurate guiding of the slide plus extra stability to resist deflection under severe loads. Slide assembly is rugged box-type steel weldment with heavy internal ribbing. A pair of unique prestressed stabilizers in the frame provide exceptional parallelism under varying loads.

4-Post Presses: 4D/4U Series

Tonnage Range: 20 to 600 tons



Built for long trouble-free service, Greenerd 4-Post presses employ the most advanced industry-proven hydraulic and mechanical designs. Available in an extremely wide choice of sizes, speeds, special features, and options, 4-Post presses are easily integrated into lines with automatic feeders, loaders, unloaders, conveyors, and inspection equipment. Accessories such as cushions, blank holders, electronic controls, die protection, and light curtains are available to enhance press performance and capabilities.

Shop Air Hydraulic Presses: Hydrolair® Series

Tonnage Range: 30 to 250 tons



Using shop air, Hydrolair® Series presses build up pressure quickly and hold a vice-like grip for seconds, minutes, or hours without costly motors, pumps, electrics, or any loss of tonnage. With rugged 4-post frames, they are compact, fast, and accurate, and are ideal for laminating, compressing, compacting, molding, pelletizing, forming, coining, testing, trimming, etc. Heated platens (shown here) are available for molding.

Hand-pump 30-ton lab presses (not shown) are also available. They close rapidly with shop air, then a few strokes of the pump build up full tonnage.

Arbor Presses

Tonnage Range: 1/4 to 7 tons



Greenerd has been designing and building arbor presses for over 100 years. Available in 46 hand-operated lever, ratchet, and pilot wheel models, they are ideal for assembling, staking, punching, bending, broaching, testing, forming, straightening, blanking, and compressing. The most accurate arbor presses made, they are designed with rugged cast-iron construction to handle even the toughest, heavy-duty jobs.

Modifications and Options

Greenerd offers a full range of options and modifications to enhance the performance, productivity, and flexibility of our presses.

Modifications are easily provided on Greenerd presses and at a significantly lower cost than on mechanical presses.

They include:

- Extra daylight
- Extra throat
- Extra stroke
- T-slots and tooling mounting holes

Standard options include:

- Infrared two-hand controls
- Automatic cycle
- Dwell timers
- Touch screen microprocessor controls
- Light curtains/PSDI
- Rotary index tables
- Speed controls
- Heated platens
- Joy stick tonnage controls
- Precision depth stops

With expertise that comes from having designed thousands of presses to meet a broad range of manufacturing requirements, our engineers will select the right modifications and options for your needs.



Touch Screen Control



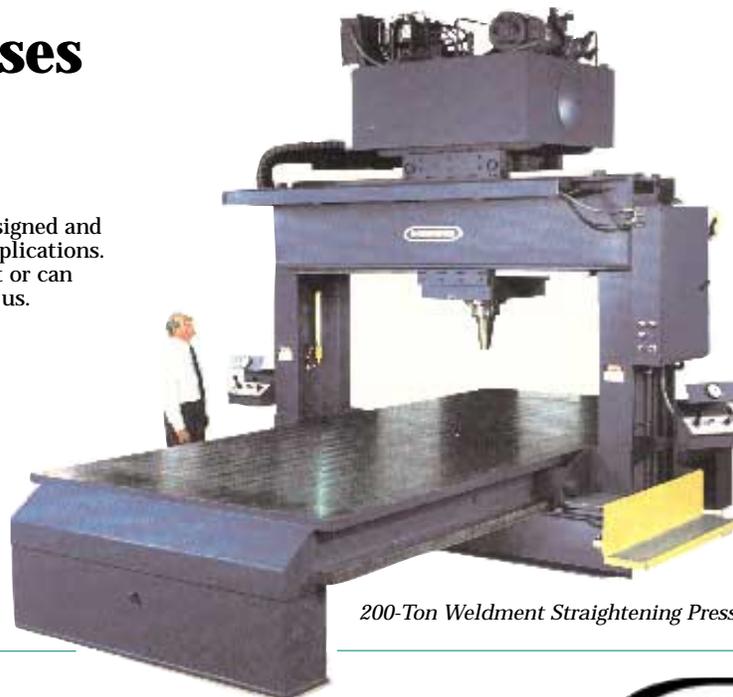
Rotary Index Table



Precision Depth Stop

Special Presses

Over the years, Greenerd has designed and built many presses for special applications. Chances are we have either built or can build a press for your needs. Try us.



200-Ton Weldment Straightening Press



10-Ton Hydraulic OBI



Since 1883

Greenerd Press & Machine Company, Inc.
41 Crown Street ♦ P.O. Box 886
Nashua, New Hampshire 03061
TEL: (603) 889-4101 ♦ FAX: (603) 889-7601