

Manual Press

PHI Manual Compression Presses Lead the Way

For over half a century, PHI manual compression presses have been the unquestioned industry standard. Today, almost 15,000 of these compact, efficient laboratory presses are in industrial and laboratory service all around the world.

Uses of the 20-, 30- and 50-Ton PHI Manual Compression Presses Highly versatile, PHI manual compression presses are ideal for short run plastic and rubber molding, batch testing, materials development and evaluation, briquetting, adhesive bonding, printed circuit board laminating and numerous other laboratory and light production applications.

PHI Manual Compression Presses -- Proven Design Features Unitized Frame The heavy-duty frame columns on our manual compression presses are wide, solid steel plates structurally joined to the solid steel bolsters. Bolsters are ground and the frame is carefully aligned to ensure accurate platen parallelism.

PHI Manual Compression Presses -- Two-Stage Hydraulic Pump The PHI-patented, manual high/low pressure pump automatically converts from low pressure/high volume to high pressure/low volume for ease of operation and accurate control throughout the range from zero lbs. to full press capacity.

PHI Manual Compression Presses -- Dump/Decompression Valve The manual compression pump features an innovative dump/decompression valve. This two-stage PHI decompression and dump valve enables the operator to adjust pressure to laboratory accuracy.

Options Available on the 20-, 30- and 50-Ton PHI Manual Compression Presses Our 20-, 30- and 50-ton manual compression presses can be supplied with the following options:

- Low pressure readout gages
- Solid state temperature controllers and indicators
- Solid state, adjustable timers
- Intermediate platen for increased productivity
- Steam heated steel platens
- Aluminum platens
- Stainless steel platens
- Motorized systems
- Rapid platen heating rates
- T-slot platens
- Peripheral platen insulation