

Presses for Special Applications



Model "B"
3710-ASTM



No. 4391-ASTM
with Safety Shield



No. 4393-ASTM &
No. 4394-ASTM
with Safety Shield

Molding ASTM Test Specimens

Plastics, elastomers and other materials

Carver has developed three presses which are specially configured to perform the compression molding of test plaque or bar specimens of Type I, II, III or IV polyethylene and other thermoplastic resins. The procedure is in conformance with ASTM Method D 4703, Procedure C. The presses are equipped with heating/cooling platens and a programmable digital controller which has a heating/cooling loop for each platen and built-in program for the required 15°/minute $\pm 2^\circ\text{C}$ cooling rate.

■ CMG 30H-12 ASTM Model B, 30 tons

Floor standing, four-column, automatic press with heating/cooling platens and programmable controller.

■ No. 4391-ASTM Model 12-12H-ASTM, 12 tons

Benchtop, four-column manual press with heating/cooling platens and programmable controller.

◆ **Optional Portable Chillers available upon request**

■ No. 4393-ASTM Model AutoFour/15P-ASTM, 15 tons & No. 4394-ASTM Model AutoFour/30P-ASTM, 30 tons

Carver Auto Series self-contained press with heating/cooling platens and programmable controller. See pages 4 & 5 for press description.

ASTM Chase Frame Kits*

Description (Sample Size)	Catalog Number			100 Mylar Sheets
	Teflon Coated Steel	Stainless Steel	Brass	
4" x 4" x 1/8"	4079	4080	4081	4161
6" x 6" x 1/8"	4082	4083	4084	4162
8" x 8" x 1/8"	4085	4086	4087	4163

*Includes two aluminum back-up plates and 50 mylar sheets.



Proppant Crush Test Press

Models CMG28-12-PCR & CMG40-12-PCR
Compatible with ISO 13503-2:2006

For use with frac sand, resin coated sand and ceramic proppant

Carver Inc. is proud to introduce Models CMG28-12-PCR & CMG40-12-PCR Proppant Crush Test Presses. These Monarch Series presses meet the critical demands of ISO 13503-2:2006 with unsurpassed cycle repeatability. The proportional hydraulic system is capable of applying a constant rate of 13.8 MPa/min. (2000 PSI min.) from 2 ton to 28 ton clamp force within a $\pm 2.5\%$ deviation. The operator interface allows easy setup of press control parameters and includes ample recipe storage.

- 28 and 40 ton models
- Hardened plates: 12" L-R x 12" F-B fully guided platens to ensure parallelism
- Positive stop on plates for centering the crush die
- Open daylight: 6"-12"
- Cylinder stroke: 6"
- Self-contained hydraulic system
- Available with and without 2" ID crush die (compatible with ISO 13503-2)
- "Mini" Viewpoint control system including:
 - Allen Bradley programmable controller
 - PanelView Touch Screen Interface
 - Closed-loop control of clamp pressure
 - Recipe storage (up to 30 recipes of 24 segments)
 - Two hand close buttons
- Polycarbonate safety guards around molding area with manual sliding interlocked operator gate
- Dimensions: 47" W x 34" D x 74" H
- Weight: 1,900 lbs.



No. 5456 Proppant Crush Test Cylinder

Based on ISO 13503-2:2006(E) Crush Cell
Cell: 2" ID x 3.38" tall including removeable base, wall thickness is >0.5 "

Piston: 3.5" tall

All parts constructed of D2 Tool Steel, hardened to 52-56 Rockwell C

CE available  US Panel available LISTED