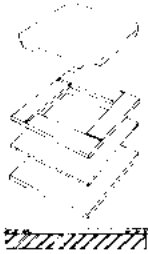


Laboratory Accessories for Carver Presses



Tile Mold

Plated steel or stainless steel frame with polished steel top and bottom covers. Can be used up to 400° F to form plastic or rubber sheets. Use with Carver heated, or heated and cooled platens.



Color Dispersion Disc Mold

For making plastic film to check color dispersion or clarity. Provides precise film thickness and parallelism. Made of stainless steel or hardened tool steel. Includes die, upper punch, lower punch and 3 spacers for optional film thicknesses.

Molds, Dies and Test Cylinder Specifications

Catalog Number	Description	Sample Dimensions	Sample Thicknesses	Maximum Applied Load
818701D	Tile Mold, 440 Stainless Steel	50mm x 50mm	1mm, 2mm & 5mm	N/A
818702D	Tile Mold, 440 Stainless Steel	100mm x 100mm	1mm, 2mm & 5mm	N/A
818703D	Tile Mold, 440 Stainless Steel	150mm x 150mm	1mm, 2mm & 5mm	N/A
818704C	Color Dispersion, 440 Stainless Steel	50mm diameter	0.1mm, 0.2mm & 0.5mm	N/A
818705C	Color Dispersion, 440 Stainless Steel	100mm diameter	0.1mm, 0.2mm & 0.5mm	N/A
4417	Pellet Die, 440 Stainless Steel	6mm	N/A	3,500 Lbs Max
4946	Pellet Die, 440 Stainless Steel	12mm	N/A	13,000 Lbs Max
3619	Pellet Die, 440 Stainless Steel	13mm	N/A	18,000 Lbs Max
4369	Pellet Die, 440 Stainless Steel	25mm	N/A	47,000 Lbs Max
3902	Pellet Die, 440 Stainless Steel	31mm	N/A	60,000 Lbs Max
3876	Pellet Die, 440 Stainless Steel	40mm	N/A	70,000 Lbs Max
2090-0	Test Cylinder, 440 Stainless Steel	1.125"	N/A	19 US Tons Max
2091-5	Test Cylinder, 440 Stainless Steel	2.25"	N/A	51 US Tons Max
818698D	Tile Mold, 440 Stainless Steel	4" x 4"	1mm, 2mm & 5mm	N/A
818699D	Tile Mold, 440 Stainless Steel	6" x 6"	1mm, 2mm & 5mm	N/A
818700D	Tile Mold, 440 Stainless Steel	10" x 10"	1mm, 2mm & 5mm	N/A

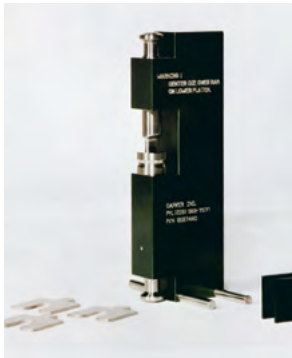
Special Application Test Cylinder (See page 7)

Catalog Number	Description
5456	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



No. 2092 Swivel Bearing Plates

Carver presses are frequently used for crushing and breaking tests of standard 2" x 2" cubes and 2" x 4" cylinders of concrete samples or similar crushing tests. Swivel Bearing Plates adjust slightly to the sample to assure proper application of pressure. **Requires safety shield.**



No. 818744C Punch and Die Holder

This punch and die holder permits off-line testing of pellet and tablet samples. It works with standard BB2 production tooling in most Carver presses, including Auto Series presses. The set includes an anodized aluminum holding fixture, steel shims to adjust for various size samples, and an anodized aluminum ejector. (does not include dies)



No. 2096CE & 2096-1CE Two Gauge Manifolds

The 2096CE is for most standard manual presses, except the Mini C. The 2096-1CE is specifically designed for the Mini C Model Press only. These manifolds permit mounting of both high (right) and low (left) range gauges for more precise application of force. Hand operated shut-off valve

protects low pressure gauge when using high pressure. **Analog Gauges sold separately.** (see page 15)



No. 6306 Digital Gauge

Optional digital force gauges for manual presses. Available in 10 or 100 pound increments. They are scaled per press model. Approximate accuracy: $\pm 1\%$ of reading between 1,000 lbs up to maximum tonnage of press (12, 25 or 30 tons). Consult factory for press details.

CARVER®

Laboratory Accessories for Carver Presses



FLOOR STANDS – Designed for most models

Catalog/Item Number	Description	Dimensions H x W x D	Weight
223160C	Press Stand (Model 3690 & 3693 presses)	30" x 23.5" x 23.5"	150#
223171D	Press Stand (2 & 4 column presses)	30" x 19" x 19"	125#
223215C	Press Stand (2 & 4 column presses with 6" casters)	30" x 36" x 36"	260#
223321D	Press Stand for Standard PL Auto Series presses (excluding 48 ton models)	24" x 51" x 23.5"	385#
223319C	Press Stand for Standard PL Auto Series presses with 6" casters (excluding 48 ton models)	24" x 51" x 23.5"	385#



SAFETY SHIELDS

Catalog/Item Number	Description (Fits most models with or without heat)
3404	Mini "C" Presses
3295	Model "C" Presses
3253	Model "M" Presses
3322	Presses with 10" x 7" Work Area
3418	Presses with 12" x 12" Work Area
4427	Presses with 15" x 15" Work Area



Repair parts for (gray) Carver hydraulic units. Repair kits contain hydraulic oil, seals, gaskets, pins, fittings, valve parts and jack handle bracket for quick maintenance. (restrictions apply, visit carverpress.com for details)

- No. 3729 12 ton hydraulic unit repair kit
- No. 3730 25 ton hydraulic unit repair kit
- No. 319002 pump assembly for 12 & 25 ton jacks

ACCESSORIES

Catalog number
cross reference index

HEATING/COOLING

Platens for Model C Presses

(also available in deg C upon request)

- 2101** Set of (2) 6" x 6" heated, aluminium platens, thermostatically controlled, 150° to 500° F (Specify 115 or 230V)
- 2102.1** Set of (2) 6" x 6" heated, steel platens, thermostatically controlled, 150° to 500° F, (Specify 115 or 230V)
- 3796** Set of (2) 6" x 6", heated, steel platens, digitally controlled, 650° F, 115V
- 4286** Set of (2) 6" x 6", heated, steel platens, digitally controlled, 650° F, 230V
- 2103.1** Set of (2) 6" x 6" heated and cooled, steel platens, thermostatically controlled, 150° to 500° F with hoses (Specify 115 or 230V)
- 2104** Set of (2) 6" x 6" aluminum cooling plates, with valve and hose assemblies



- 3772** Set of (2) 6" x 6" heated & cooled steel platens, digitally controlled, 650° F, 115V
- 3988** Set of (2) 6" x 6" heated & cooled steel platens, digitally controlled, 650° F, 230V
- 2105** Set of (2) 6" x 6" aluminum steam plates, with insulation and braided hoses

Platens for Model M Presses (also available in deg C upon request)

- 2107.1** Set of (2) 9" x 9" heated, steel platens, thermostatically controlled, 150° to 500° F, (Specify 115 or 230V)
- 3973** Set of (2) 9" x 9", heated, steel platens, digitally controlled, 650° F, 230V

- 2108.1** Set of (2) 9" x 9" heated and cooled, steel platens, thermostatically controlled, 150° to 500° F with hoses (Specify 115 or 230V)
- 2109** Set of (2) 9" x 9" steel steam heating plates, with insulation and braided hoses
- 3972** Set of (2) 9" x 9", heated and cooled, steel platens, digitally controlled, 650° F, 230V

Platens for four-column presses (also available in deg C upon request)

- 3906** Set of (2) 12" x 12", heated, steel platens, digitally controlled, 650° F, 230V
- 3749** Set of (2) 12" x 12" heated and cooled steel platens, digitally controlled, 650° F, 230V
- 6316** Set of (2) 15" x 15", heated, steel platens, digitally controlled, 650° F, 230V

Accessories for Many Applications

MOLDS AND DIES

(See page 10 & 13)

Test Cylinders & Pellet Dies

- 2090-0** Test cylinder outfit, 1.125" ID
- 2090-1** Set of 12 filter pads for 1.125" ID TCO's
- 2091-5** Test cylinder outfit 2.25" ID
- 2091-1** Set of 12 filter pads for 2.25" ID TCO's
- 237005** Stainless steel pan for either TCO size
- 4417** 6mm pellet die 440 stainless steel
- 4946** 12mm pellet die 440 stainless steel
- 3619** 13mm pellet die 440 stainless steel
- 4369** 25mm pellet die 440 stainless steel
- 3902** 31mm pellet die, 440 stainless steel
- 3876** 40mm pellet die, 440 stainless steel
- 5456** 2" ID Proppant Crush Test Cylinder based on ISO 13503-2:2006(E) Page 7 & 13
- 2092** Swivel bearing plate (Requires safety shield)
- 2095** KBr buffer plate
- 818744C** Pharmaceutical pellet die holder

ASTM Molds

(See pages 7 and 13)

- 4079** 4" x 4" chase assembly, Teflon
- 4080** 4" x 4" chase assembly, Stainless steel
- 4081** 4" x 4" chase assembly, Brass
- 4082** 6" x 6" chase assembly, Teflon
- 4083** 6" x 6" chase assembly, Stainless steel
- 4084** 6" x 6" chase assembly, Brass
- 4085** 8" x 8" chase assembly, Teflon
- 4086** 8" x 8" chase assembly, Stainless steel
- 4087** 8" x 8" chase assembly, Brass
- 4161** (100) 6" x 6" mylar sheets for 4" x 4" molds
- 4162** (100) 8" x 8" mylar sheets for 6" x 6" molds

- 4163** (100) 10" x 10" mylar sheets for 8" x 8" molds

Tile Molds and Color Dispersion Disc Molds

(See page 13)

- 818698D** 4" x 4" tile mold, 1mm, 2mm & 5mm thick, Stainless steel
- 818699D** 6" x 6" tile mold, 1mm, 2mm & 5mm thick, Stainless steel
- 818700D** 10" x 10" tile mold, 1mm, 2mm & 5mm thick, Stainless steel
- 818701D** 50mm x 50mm tile mold, 1mm, 2mm & 5mm thick, Stainless steel
- 818702D** 100mm x 100mm tile mold, 1mm, 2mm & 5mm thick, Stainless steel
- 818703D** 150mm x 150mm tile mold, 1mm, 2mm & 5mm thick, Stainless steel
- 818704C** 50mm diameter color dispersion disc, 0.1mm, 0.2mm & 0.5mm thick, Stainless steel
- 818705D** 100mm diameter color dispersion disc, 0.1mm, 0.2mm & 0.5mm thick, Stainless steel

TESTING/PROCESSING

Polished Plates

(For laminating applications)

- 235020** SS Plate with #8 mirror finish, polished on 1 side, 6" x 6" x 0.03" thick
- 235021** SS Plate with #8 mirror finish, polished on 1 side, 9" x 9" x 0.03" thick
- 235022** SS Plate with #8 mirror finish, polished on 1 side, 9" x 12" x 0.03" thick
- 235023** SS Plate with #8 mirror finish, polished on 1 side, 12" x 12" x 0.03" thick

Heated Test Cylinders

- 2472** 1.125" heated test cylinder
- 2417** 2.25" heated test cylinder

SAFETY SHIELDS

(See page 14)

- 3404** For most Mini C Presses
- 3295** For most Model C Presses
- 3253** For most Model M Presses
- 3322** For most presses with 10" x 7" platens
- 3418** For most presses with 12" x 12" platens
- 4427** For 3690 and 3693 with 15" x 15" platens



ANALOG GAUGES
(See page 13 for digital gauge options)

Gauges for Model B/C

- 381005** Gauge normally furnished with Model C press, 0 - 24,000 lbs applied force, 11 metric tons, 200 lb increments
- 381042** Model B/C gauge, 0 - 500 lbs, 0.225 metric tons, 5 lb increments
- 381001** Model B/C gauge, 0 - 1,000 lbs, 0.45 metric tons, 10 lb increments
- 381002** Model B/C gauge, 0 - 2,000 lbs, 0.9 metric tons, 20 lb increments
- 381003** Model B/C gauge, 0 - 5,000 lbs, 2.25 metric tons, 50 lb increments
- 381004** Model B/C gauge, 0 - 10,000 lbs, 4.5 metric tons, 100 lb increments

Gauges for Model K/M

- 381008** Gauge normally furnished with Model M press, 0 - 50,000 lbs applied force, 22.5 metric tons, 500 lb increments
- 381006** Model K/M Gauge, 0 - 5,000 lbs, 2.25 metric tons, 50 lb increments
- 381007** Model K/M Gauge, 0 - 10,000 lbs, 4.5 metric tons, 100 lb increments
- 381176A** Model K/M Gauge, 0 - 1,000 lbs, 0.45 metric tons, 10 lb increments

Two Gauge Manifold

(See page 13)

- 2096 C €** Two gauge manifold
- 2096 C €-1** (mini C only)



Dial Thermometers

- 385001** Dial face thermometer 150° F to 750° F
- 385019** Dial face thermometer 50° C to 400° C

HYDRAULIC UNITS

(Specify press Serial Number)

- 3912** 12 ton hydraulic unit
- 3925** 25 ton hydraulic unit
- 321007** Pump and reservoir for 30 ton presses
- 3467-0** Hydraulic cylinder for 30 ton presses
- 3729** 12 ton repair kit (gray only)
- 3730** 25 ton repair kit (gray only)
- 2170** Carver hydraulic fluid (pint size)

AUTOPAK™ POWER UNITS

(See page 16)

- 3946NE** AutoPak/12, for 12 ton existing manual presses.
- 3947NE** AutoPak/25, for 25 ton existing manual presses.
- 3948NE** AutoPak/30, for 30 ton existing manual presses.

FLOOR STANDS

(See page 14)

- 223160C** Press stand for 3690 & 3693 presses
- 223171D** Press stand for 2 column and 4 column presses
- 223215C** Press stand for 2 column and 4 column presses with casters
- 223321D** Press stand for standard PL Auto Series presses (excluding 48 ton models)
- 223319C** Press stand for standard PL Auto Series presses with casters (excluding 48 ton models)

Please feel free to visit our store by going to www.carverpress.com and/or consult factory for additional parts/accessories

Carver reserves the right to change specifications without notice. Presses and accessories may differ from photos shown.

Carver strongly recommends the use of a safety shield and personal protection equipment when operating Carver equipment.
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Add Power to Existing Presses

AutoPak™ Power Units

- Self-contained 1/4 HP hydraulic power unit
- Develops maximum clamping force for most of our 12, 25 and 30 ton manual press models (minimum 1,000 lbs)
- Six feet of hose for connecting to existing Carver hand operated press
- Programmable control system (force only)
 - Touch screen interface
 - 10 recipe storage capability
 - 20 programmable segments of clamp force and dwell time per recipe
 - Programmable in units of pounds (also available in Kg, US tons, and metric tons)
 - Automatic bump sequence (can be programmed in any or all segments)
- Two-hand “anti-tie-down” close buttons for operator safety
- Interlocked switch for existing safety shield door included (See page 14 for recommended safety shield)
- 115V 1-Ph or 230V 1-Ph supply voltage (please specify)
- Electrical disconnect (non-fused)
- Approximate dimensions & weight: 24” L x 20” W x 21” H, 130 lbs



Custom Presses

Customized presses can be configured from the many options and accessories listed in this catalog. In addition, Carver engineers will work with you to design special presses for your particular application. Consult the factory for more information. Press shown is a custom designed Auto Series four column press with casters and built in floor stand.

Catalog No.	Model	Capacity (tons)	Supply Voltage (230V available upon request)
3946-NE	AutoPak/12	0.5 - 12	115V 1-Ph
3947-NE	AutoPak/25	0.5 - 25	115V 1-Ph
3948-NE	AutoPak/30	0.5 - 30	115V 1-Ph

Specify press model and serial number when ordering

Carver Warranty

Carver Inc. warrants all equipment we manufacture to be free from defects in workmanship and material when used under recommended conditions. The Company's obligation under this warranty is limited to those parts which within twelve (12) months from delivery of equipment to original purchaser are returned to the factory with transportation prepaid, and upon examination shall disclose them to be defective. Carver neither assumes, nor authorizes any other persons to assume any liability in connection with the sale of its equipment except under the conditions of this warranty.

This warranty does not cover any labor charges for replacement of parts, adjustment, repair or any other work done. This warranty shall not apply to any apparatus which in our opinion has been subjected to misuse, negligence or pressures in excess of limits recommended, or which shall have been repaired or altered outside of the Carver factory.

Replacement of defective material(s) will be FOB the Carver factory. Replacement of component parts not of its manufacture will be limited to the warranty of the manufacturers of such parts.

Warranty claims: Please contact our Service Department at 260-563-7577 ext 5238 or service@corpemail.com

Rely on Carver and WABASH Presses for Every Need

Carver, Inc. and WABASH MPI are sister companies located in Wabash, Indiana. For over 75 years WABASH MPI has met the challenge of designing and manufacturing standard and special presses for industry worldwide. Parts, service and support information are readily available. Ask to see installations of Carver or WABASH presses performing productively in your area. Consult with us to discuss all of your molding requirements.

WABASH manufactures 15 to 1,000 ton molding machines for elastomers and thermoplastics, Compression molding machines, C-Frame presses, Vacuum chamber molding and laminating presses and Trim presses. For more information on any of our presses call 260-563-1184, fax 260-563-1396, email: wabashleads@acscorporate.com, or visit our website at www.wabashmpi.com.



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