

Automatic hydraulic laboratory presses in two- and four-post models up to 30 ton clamp capacity

Access Door
Clear, impact resistant polycarbonate door permits observation and serves as a safety shield to protect the operator

Threaded Rods
Permit adjustment of daylight opening

Heated Platens
With digitally controlled cartridge heaters (optional)

Hydraulic Cylinder
Delivers up to 30 tons of clamping pressure

Unitized Base
Makes installation and set-up easy

Auto Series presses feature integral power for automatic operation

Cast Iron Bolsters
Provide maximum rigidity

Integral Safety Shield
Surrounds work area for safe operation

Door Interlock Switch
Prevents operation when safety shield is open

Individual Temperature Controllers
Ensure accurate temperature of each platen (optional)

Microprocessor Control System
For precise, programmed process control

"Open" Button
Stops cycle and opens press

Dual Operator Buttons
With "anti-tie-down" feature requires two-hand operation for operator safety

Hydraulic Power Unit
Completely self-contained, electrically operated

CE available

Catalog No. 3895 Auto Four/30, 30 ton capacity

Carver's Auto Series presses bring a world of power and control options to your lab



Catalog No. 3887 AutoPellet, 25 ton capacity AutoPellet press specifically designed for preparation of pellets, primarily KBr specimens for IR Spectroscopy (See Pellet Presses on page 9).*

Carver has incorporated more than 85 years of experience in laboratory presses into this line of automatic electrically powered benchtop presses for today's labs. Each has a built-in hydraulic system with a microprocessor control for accurate programmable operation. Five models are available ranging in clamp force capacity from 15 to 30 tons, including a pelletizing press and two- or four-column models. All have integral safety enclosures with a clear front door for operator safety and observation.



Carver Auto "C" presses molding medical components.*

*AutoPak power unit available for existing presses. (See page 16)

benchtop presses, 15 to 30 ton capacity

A complete line of automatic electrically powered benchtop presses for the laboratory or manufacturing facility

Auto Series control panel with optional digital platen temperature control

Individual Digital Temperature Controllers
Ensure accurate temperature for each platen (optional)

Dual "Close" Buttons
Require two-hand operation for operator protection



Digital Display
Of operating parameters

Microprocessor Control Keypad
For entry of operating parameters

Power Switches
With indicator lights

"Open" Button
Single button opens press

Digital ("D") Control Description:

The Digital ("D") control system controls the desired pressure, speed and dwell time, and displays the press status. The following features are included with the Digital ("D") version:

- Ten (10) recipe storage of pressure and time settings
- Digital control of pressure and dwell time
- Digital pressing speed adjustment
- Adjustable end of cycle alarm
- Auto opening of platens upon cycle completion
- Units of measure setting for KG, lbs or US tons
- Optional manual cooling

The normal operating cycle consists of closing the press with the dual "anti-tie-down" buttons and building force to the selected setpoint, maintaining this setpoint for a predetermined dwell time, and eventually opening the press after the integral timer has expired.

Programmable ("P")

Control Description:

The Programmable ("P") control system includes all the features of the "D" control system plus allows for step programming of segments, or events, throughout the cycle. The following additional features are included:

- Twenty (20) programmable segments per recipe

- Ten (10) recipe storage of tempera-
ture, pressure and time settings
- Optional automatic water cooling and air purge

The normal operating cycle consists of closing the press with the dual "anti-tie-down" buttons and building force to the selected setpoint of the first segment of the recipe, maintaining this setpoint for the dwell time specified for that segment, repeating this cycle of building or maintaining force for the other segments, and eventually opening the press.

Platen temperature can also be adjusted for each segment of the recipe as part of the "Programmable" control system.

Specifications

Model	Catalog Number	Max. Clamp Force, Tons (lb)	Heated Platens	Platen Size (in)	Ram Stroke (in)	Daylight Opening (in)	Footprint W x D (in)	Height (in)	Weight (lb)
AutoPellet	3887	25 (50,000)	N/A	5 dia.	1	1.50 to 7.25	32 x 20	22 (plus handle)	400
Two-Post Models									
Auto"C"	3888	15 (30,000)	No	6 x 6	6	.75 to 18	35 x 20	40	350
Auto"C"	3889	15 (30,000)	Yes	6 x 6	6	0 to 15	35 x 20	40	400
Auto"M"	3890	25 (50,000)	No	9 x 9	6	.75 to 16	37 x 20	43	540
Auto"M"	3891	25 (50,000)	Yes	9 x 9	6	0 to 12	37 x 20	43	600
Four-Post Models									
AutoFour/15	3892	15 (30,000)	No	12 x 12	6	1 to 18.5	42 x 24	46	800
AutoFour/15	3893	15 (30,000)	Yes	12 x 12	6	0 to 13.5	42 x 24	46	1,000
AutoFour/30	3894	30 (60,000)	No	12 x 12	6	1 to 17	42 x 24	46	850
AutoFour/30	3895	30 (60,000)	Yes	12 x 12	6	0 to 12	42 x 24	46	1,050

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 safety glasses when operating Carver equipment.

Used for molding, laminating, embossing, and bonding of various materials



No. 4386

No. 4120

No. 4122

No. 4126

No. 4128

TWELVE TON PRESSES

■ No. 4386

(Model CH) Twelve ton, manual, two-column hydraulic lab press with digital heated platens. Daylight to 15". Easy-to-read dual scale gauge is calibrated in pounds and metric tons.

■ No. 4120

(Model 12-10H) Twelve ton, manual, two-column hydraulic press. Similar to No. 4386 press, but heavier construction and guided moving platen. Has electrically heated 10" x 7" platens for temperatures to 650°F with digital controller for each platen. Easy-to-read dual scale gauge is calibrated in pounds and metric tons.

■ No. 4122

(Model 12-12H) Twelve ton, manual, four-column hydraulic press. Four-post construction assures parallelism over 12" x 12" surface. Easy-to-read dual scale gauge is calibrated in pounds and metric tons. Has electrically heated platens for temperatures to 650°F with digital controller for each platen.

■ No. 4123

(Model 12-12-2H) Same press as No. 4122 except has four electrically heated platens with two 3" daylight. Optional water cooled platens are also available.

TWENTY-FIVE TON PRESSES

■ No. 4389

(Model MH) Twenty-five ton, manual, two-column hydraulic press with digital heated platens. Daylight opening is adjustable. Rigid cast iron and steel construction for precision and durability. Easy-to-read gauge is calibrated in pounds and metric tons. Optional water cooled platens are also available.

■ No. 3856

(Model 25-12H) Twenty-five ton, manual, four-column hydraulic press. Easy-to-read gauge is calibrated in pounds and metric tons. Electrically heated 12" x 12" platens for temperatures to 650°F with digital controller for each platen, or special 8" x 8" high temperature platens to 1,100°F. Optional water cooled platens are also available.

■ No. 4126

(Model 25-12-2H) Same press as No. 3856 except has four electrically heated platens with two 3" daylight. Optional water cooled platens are available.

THIRTY TON PRESSES

■ No. 4128

(Model 30-12H) Thirty ton, manual, four-column, hydraulic press. Has two-speed pump, first stage for rapid closing and second for pressing mode. Full range gauge is calibrated in pounds and metric tons. Electrically heated platens for temperatures to 650°F with digital controller for each platen. Special 8" x 8" high temperature platens to 1,100°F are available. Specify °F or °C display and voltage requirements.

■ No. 4129

(Model 30-12-2H) Same press as No. 4128 except has four electrically heated platens with two 3" daylight. Optional water cooled platens are available.

CE available

Specifications

Catalog Number	4386	4120	4122	4123	4389	3856	4126	4128	4129
Model	Model CH	12-10H	12-12H	12-12-2H	Model MH	25-12H	25-12-2H	30-12H	30-12-2H
Clamping Force									
U.S. Tons	12	12	12	12	25	25	25	30	30
Lbs	24,000	24,000	24,000	24,000	50,000	50,000	50,000	60,000	60,000
Max. Temperature (°F)	650°	650°	650°	650°	650°	650°	650°	650°	650°
Platens (in)	6 x 6	10 x 7	12 x 12	12 x 12	9 x 9	12 x 12	12 x 12	12 x 12	12 x 12
Ram Stroke (in)	5.1	5.1	5.1	5.1	6.5	6.5	6.5	6	6
Daylight Opening (in)	0 to 15	0 to 11	0 to 10	2 @ 3	0 to 12	0 to 9.5	2 @ 3	0 to 12	2 @ 3
Footprint w x d (in)	15 x 16	26 x 18	29 x 27	29 x 27	19 x 24	29 x 27	29 x 27	32 x 27	32 x 27
Height (in)	39	39	39	39	42	39	43	43	43
Weight (lb)	300	420	770	1,035	425	805	1,070	835	1,100

For pelletizing, destructive testing, fluid extraction, pressure forming, etc.



No. 3850

No. 4350.L

No. 3851

No. 3968

No. 3853

No. 3855

TWELVE TON PRESSES

■ No. 3850

(Model Mini C) Twelve ton manual, two-column hydraulic press with 6" x 6" square platens. Compact and portable, requiring less bench space than our Model C. This press is ideal for constricted bench space or glove box applications, as well as field work. It features adjustable daylight, steel construction for rigid precision and includes safety shield for operator protection. Easy-to-read dual scale gauge is calibrated in pounds and metric tons.

■ No. 4350.L

Pellet press with 4" round platen. Same as No. 4350 without pellet die.

■ No. 3851

(Model C) Twelve ton, manual, two-column hydraulic lab press. Similar to Mini C above, but larger, heavier construction with day-

light to 18". Easy-to-read dual scale gauge is calibrated in pounds and metric tons.

■ No. 3968

(Model 12-10) Twelve ton, manual, two-column hydraulic press. Similar to No. 3851 press described above, but heavier construction with fully guided moving platen and daylight to 16". Easy-to-read dual scale gauge is calibrated in pounds and metric tons.

■ No. 3969

(Model 12-12) Twelve ton, manual, four-column hydraulic press. Fully guided moving platen assures parallelism over 12" x 12" surface. Easy-to-read dual scale gauge is calibrated in pounds and metric tons.

TWENTY-FIVE TON PRESSES

■ No. 3853

(Model M) Twenty-five ton, manual, two-column hydraulic press. Daylight opening

is adjustable. Rigid cast iron and steel construction for precision and durability. Easy-to-read gauge is calibrated in pounds and metric tons.

■ No. 3855

(Model 25-12) Twenty-five ton, manual, four-column hydraulic press. Easy-to-read gauge is calibrated in pounds and metric tons.

THIRTY TON PRESSES

■ No. 3970

(Model 30-12) Thirty ton, manual, four-column, hydraulic press. Has two-speed pump, first stage for rapid closing and second for pressing mode. Full range gauge is calibrated in pounds and metric tons.

Note: Carver presses can be automated with an optional AutoPak power package (See back cover).

☎ available

Specifications

Catalog Number with shield	3850	3989	4350.L	3851	3968	3969	3853	3855	3970
Model	Mini C	Mini C	—	Model C	12-10	12-12	Model M	25-12	30-12
Old Press*	3393	3392	—	2086	3724	2696	2089	2702	2698
Clamping Force Tons (lb)	12 (24,000)	12 (24,000)	12 (24,000)	12 (24,000)	12 (24,000)	12 (24,000)	25 (50,000)	25 (50,000)	30 (60,000)
Platens (in)	6 x 6	4 round	4 round	6 x 6	10 x 7	12 x 12	9 x 9	12 x 12	12 x 12
Ram Stroke (in)	5.1	5.1	5.1	5.1	5.1	5.1	6.5	6.5	6
Daylight Opening (in)	.75 to 7	.75 to 7	0 to 5.50	.75 to 18	1 to 16	1 to 15	.75 to 16	1 to 14	1 to 17
Footprint w x d (in)	12 x 16	12 x 16	10.25 x 8	15 x 16	17 x 18	21 x 28	19 x 24	21 x 28	24 x 27
Height (in)	22	22	20.25	36	37	37	42	37	43
Weight (lb)	125	125	115	200	345	560	350	600	625

*Use to refer to old models which are no longer available.

CARVER®

Presses for preparing pellets, bricks, briquettes and cakes



No. 4350
12 ton
Manual
Pellet
Press



Special "all stainless steel"
AutoPellet Press for corrosive
operating environment.



No. 3887 25 ton
AutoPellet Press

❑ No. 4350 Manual Pellet Press

The compact 12 ton Pellet Press with 4" diameter platen is perfectly suited for KBr pellet pressing. It can also be used for Glove Box applications, compound and formula testing, compression strength tests, fluid extractions and on-site field testing. Includes integral Safety Shield, buffer plate, 13mm evacuable die and counter-bored platen for positive die alignment.

❑ No. 3887 AutoPellet Press

The self-contained 25 ton AutoPellet press has 5" diameter platen and integral safety shield cabinet enclosing electrically powered hydraulic system. Rigid slab side construction maintains precise alignment and includes provision for a vacuum line connection to the pellet die. "SD" microprocessor control system with digital display of force permits programmed operation and selectable bleed-off of pressure. Upgraded "PD" model allows programmed pressure bleed-off. 25 ton model includes 13mm KBr pellet die, and 40 ton model includes 31mm die for x-ray sample preparation. (Optional 40mm die available.)

Specifications

Catalog Number	Max. Clamp Force, U.S. Tons (lb)	Platen Size (in)	Die (mm)	Ram Stroke Stroke (in)	Daylight Opening (in)	Footprint W x D (in)	Height (in)	Weight (lb)
Manual 4350	12 (24,000)	4 dia.	13	5.1	0 to 5.50	10.25 x 8	20.25	115
AutoPellet 3887	25 (50,000)	5 dia.	13	1	1.5 to 7.25	31.5 x 22.75	22 (+ handle)	400
AutoPellet 4387	40 (80,000)	5 dia.	31*	1	1.5 to 7.25	34 x 22.75	26 (+ handle)	500

* 40 mm optimal



❑ **Evacuable Pellet Dies** Used with Pellet Presses to form the pellets for use in IR and x-ray spectroscopy. The stainless steel die includes a fitting for vacuum source connection. (13, 31 and 40mm dies available.)



❑ **No. 2090.1 Filters** 12 filter pads for No. 2090 1.125" Test Cylinder

❑ **No. 2091.1 Filters** 12 filter pads for No. 2091 2.25" Test Cylinder



❑ **No. 3874 Vacuum Pump Kit** Used with pellet press to evacuate molds or dies.



❑ **No. 2095 KBr Buffer Plate** Required for use with 3619 KBr die. The 90mm diameter plate mounts to top

bolsters to prevent damage by the die plunger during pressing. The buffer plate can be used with other small dies.



❑ **No. 2090 1.125" I.D. Stainless Steel Test Cylinder and Pellet Mold**

❑ **No. 2091 2.25" I.D. Nickel Plated Test Cylinder and Pellet Mold**

❑ **No. 2091.2 2.25" I.D. Stainless Steel Test Cylinder and Pellet Mold** For use with pellet presses for molding, forming bricks, briquettes, pressure forming, crushing, pressing plant and animal tissues, fluid extraction, extrusion and flow tests.



❑ **No. 2417 Heated 2.25" Test Cylinder**

❑ **No. 2472 Heated 1.125" Test Cylinder**

Heated Test Cylinder with adjustable thermostat to heat test cylinder up to 600°F. Specify voltage. Consult factory for special test cylinder sizes



❑ **No. 237005 Stainless Steel Pan** Fluid pan for use with all Test Cylinder Outfits. When presses are used for fluid

extraction, filter papers sandwich the sample. The stainless steel pan captures the released fluid.

Carver heat control options

There are several levels of control for heating and cooling to give you a choice to meet the specific demands of your application.

Manual thermostat control

Basic heated platens are controlled by an integral sensor and individual manual thermostats.

Digital control

For more precise control, individual digital temperature controllers automatically control platen temperature from a separate control panel.

□ No. 3984

Digital control assembly for existing hotplates.

Manual cooling

Manual water cooling permits hand operated cooling of platens with monitoring by analog thermometers.

Automatic cooling

Programmable controls permit automatic switching from heating to cooling and preset timed cycles. Consult factory with specific applications.

Note: All heaters are single phase unless otherwise noted.



Heated Platens
Thermostat Control



Heated Platens with Digital
Control and Disconnect (avail-
able with cooling channels)



Heating/Cooling Platens
Thermostat Control



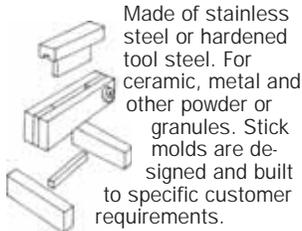
Cooling Platens

Specifications

For Presses Catalog Number/Model	Platen Size (in)	Heated Platens Thermostat Control	Heated Platens Digital Control	Heating/Cooling Platens Thermostat Control	Heating/Cooling Platens Digital Control	Cooling Platens
3393/Mini C 3850/Mini C 2086/Model C 3851/Model C 2112/150-C 4130/150-C	6 x 6	2101 aluminum 150 to 500°F	3796 steel to 650°F (115V)	2103.1 steel 150 to 500°F	3772 steel to 650°F with hoses (115V)	2104 aluminum, with valve and hose assemblies
		2102.1 steel 150 to 500°F				
		2105 aluminum, cored for steam heat				
2089/Model M 3853/Model M	9 x 9	2107.1 steel 150 to 500°F	3973 steel to 650°F (230V)	2108.1 steel 150 to 500°F	3972 steel to 650°F with hoses (230V)	
		2109 steel, cored for steam heat				
2114/154-M 4131/154-M	9 x 12	2644 aluminum 150 to 500°F				2645 aluminum, with valve and hose assemblies
All four-column presses	12 x 12		3906 steel to 650°F (230V)		3749 steel to 650°F with hose assemblies (230V)	
	8 x 8		3975 steel to 1,100°F (230V)		3976 steel to 1,100°F with hoses (230V)	

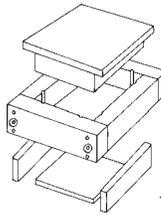
Carver Molds and Dies See pages 9-10 for information on pellet molds and dies and ASTM specimen molds.

Stick Mold



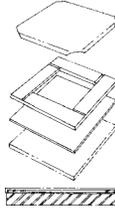
Made of stainless steel or hardened tool steel. For ceramic, metal and other powder or granules. Stick molds are designed and built to specific customer requirements.

Picture Frame Mold



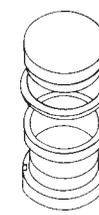
Made of stainless steel or hardened tool steel. Can be used for powders, ceramics and plastics. Minimum size 1¼" x 1¼".

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 and lower punch. Spacers available for optional film thicknesses.

Specifications

Catalog Number	Description	Dimensions	Sample Thicknesses	Material	Max. Clamping Force
818701D	Tile Mold	50mm x 50mm	1mm, 2mm, 5mm	440 Stainless Steel	N/A
818702D	Tile Mold	100mm x 100mm	1mm, 2mm, 5mm	440 Stainless Steel	N/A
818703D	Tile Mold	150mm x 150mm	1mm, 2mm, 5mm	440 Stainless Steel	N/A
818704C	Color Dispersion	50mm diameter	0.1mm, 0.2mm, 0.5mm	440 Stainless Steel	N/A
818705C	Color Dispersion	100mm diameter	0.1mm, 0.2mm, 0.5mm	440 Stainless Steel	N/A
3619	Pellet Die	13mm	N/A	440 Stainless Steel	9 US Tons
3902	Pellet Die	31mm	N/A	440 Stainless Steel	30 US Tons
3876	Pellet Die	40mm	N/A	440 Stainless Steel	35 US Tons
2090	Test Cylinder	1.125	N/A	440 Stainless Steel	19 US Tons
2091	Test Cylinder	2.25	N/A	Nickel/Stainless Steel	26 US Tons
2091.2	Test Cylinder	2.25	N/A	Stainless Steel	51 US Tons
818697D	Picture Frame	12" x 12"	1mm, 2mm, 5mm	440 Stainless Steel	N/A
818698D	Tile Mold	4" x 4"	1mm, 2mm, 5mm	440 Stainless Steel	N/A
818699D	Tile Mold	6" x 6"	1mm, 2mm, 5mm	440 Stainless Steel	N/A
818700D	Tile Mold	10" x 10"	1mm, 2mm, 5mm	440 Stainless Steel	N/A



■ 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. 2094 Cage Equipment

When using Carver presses to press moisture from fibrous materials, extract fats, oils or juices from vegetable or animal tissues, splitting chilled oils or separating crystals from liquors, these accessories are useful. Cage equipment consists of cylinder, plunger, steel discs, felt discs, tray and bulb syringe. **Requires a daylight opening of 16 inches.**



■ No. 2093 Plate and Cloth Equipment

Plate and Cloth equipment for materials not easily held in Cage equipment. Consists of tray, forming frame, screens and soft cloths.



■ No. 2953 Pressure Cell Assembly, 50 ml (Model C or M only)

■ No. 3343 Pressure Cell Assembly, 100 ml (Model M only)
Stainless steel plunger, cylinder and baseplug. Includes disruption valve and seals for efficient pressure release.



■ No. 2096 Two Gauge Manifold

Permits mounting of both high and low range gauges for more precise application of pressure. Hand operated shut-off valve protects low pressure gauge when using high pressure. **Gauges sold separately.** (See page 15)



■ No. 3676 Digital Force Display



**Press
Floor
Stand**

- ❑ **No. 223171C Press Floor Stand**
30" high enclosed floor stand for all 2 and 4 column presses *except* AccuStamp® Series.
- ❑ **No. 223160C AccuStamp Floor Stand**
30" high, open floor stand with work table.
- ❑ **No. 223175C Press Stand for Auto Series**
30" high enclosed floor stand.
- ❑ **No. 223199C Press Stand for Auto Series**
30" high with hinged rear doors.



**Safety
Shield**

Attractive cabinet encloses pressing area to protect operator from objects which might fly from the compression area. Hinged front access door is clear, shatterproof polycarbonate. **Recommended for use on all presses.** Will accommodate heated platens.

- ❑ **No. 3404 Safety Shield**
Mini C No. 3392, 3393
- ❑ **No. 3295 Safety Shield**
Model C No. 2086

- ❑ **No. 3253 Safety Shield**
Model M No. 2089
- ❑ **No. 3322 Safety Shield**
Model 12-10 No. 3724
- ❑ **No. 3418 Safety Shield**
Model 12-12 No. 2696,
Model 25-12 No. 2702 and
Model 30-12 No. 2698
- ❑ **No. 4427 Safety Shield**
Model 3690,
Model 3693



Repair parts for all Carver hydraulic units. Repair kits contain hydraulic oil, seals, gaskets, pins, fittings, valve parts and jack handle bracket for quick maintenance.

- ❑ **No. 3729 12 ton hydraulic unit repair kit**
- ❑ **No. 3730 25 ton hydraulic unit repair kit**

ACCESSORIES

*Catalog number
cross reference index*

HEATING/COOLING

Platens for Model C Presses
(Specify °F or °C)

- 2101** 6"x 6" heating aluminum platen, 150° to 500°F
- 2102.1** 6"x 6" heating steel platens, 150° to 500°F
- 3796** 6"x 6" heating steel platens, digital temperature controllers, to 650°F, 115V
- 4286** 6"x 6" heating steel platens, digital temperature controllers, to 650°F, 230V
- 2103.1** 6"x 6" heating & cooling steel platens, 150° to 500°F with hoses
- 2104** 6"x 6" cooling aluminum platens, with valve and hose assemblies
- 3772** 6"x 6" heating & cooling steel platens, digital temperature controllers, to 650°F, 115V
- 3988** 6"x 6" heating & cooling steel platens, digital temperature controllers, to 650°F, 230V



- 2105** 6"x 6" steam heat aluminum with insulation and hoses

Platens for Model M Presses
(Specify °F or °C)

- 2107.1** 9"x 9" heating steel platens, 150° to 500°F

- 3973** 9"x 9" heating steel platens, digital temperature controllers, to 650°F, 230V with mounting feet
- 2108.1** 9"x 9" heating & cooling steel platens, 150° to 500°F with hoses

- 2109** 9"x 9" steam heating steel platens with hoses
- 3972** 9"x 9" heating & cooling steel platens, digital temperature controllers, to 650°F, 230V, platens for two-column presses

Platens for two-column presses
(Specify °F or °C)

- 2644** 9"x 12" heating aluminum platens, 150° to 500°F
- 2645** 9"x 12" cooling aluminum platens with valve and hose assemblies

Platens for four-column presses
(Specify °F or °C)

- 3906** 12"x 12" heating steel platens, digital temperature controllers, to 650°F, 230V
- 3749** 12"x 12" heating & cooling steel platens, digital temperature controllers, to 650°F, 230V
- 3975** 8"x 8" high temperature heating steel platens, to 1100°F, 230V
- 3976** 8"x 8" high temperature heating & cooling steel platens, to 1100°F, 230V

MOLDS AND DIES

(See page 13)

Test Cylinders and Pellet Molds

- 2090** Test cylinder outfit, 1.125" I.D.
- 2090.1** Set of 12 filter pads for 2090
- 2091** Test cylinder outfit, 2.25" I.D.
- 2091.1** Set of 12 filter pads for 2091
- 237005** Stainless steel pan for either
- 2091.2** Test cylinder outfit all stainless steel, 2.25" I.D.
- 3619** 13mm pellet die for KBr pellets
- 3902** 31mm pellet die, 440 Stainless steel
- 3876** 40mm pellet die, 440 Stainless steel

Anvils

- 2092** Swivel bearing plate (Requires safety shield)
- 2095** KBr buffer plate

ASTM Molds

(See page 10)

- 4074** 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
- 818697D** 12"x 12" picture frame mold, 1mm, 2mm or 5mm thick, Stainless steel
- 818698D** 4"x 4" tile mold, 1mm, 2mm or 5mm thick, Stainless steel
- 818699D** 6"x 6" tile mold, 1mm, 2mm or 5mm thick, Stainless steel

- 818700D** 10"x 10" tile mold, 1mm, 2mm or 5mm thick, Stainless steel
- 818701D** 50mm x 50mm tile mold, 1mm, 2mm or 5mm thick, Stainless steel
- 818702D** 100mm x 100mm tile mold, 1mm, 2mm or 5mm thick, Stainless steel
- 818703D** 150mm x 150mm tile mold, 1mm, 2mm or 5mm thick, Stainless steel
- 818704C** 50mm diameter color dispersion disc, 1mm, 2mm or 5mm thick, Stainless steel
- 818705C** 100mm diameter color dispersion disc, 1mm, 2mm or 5mm thick, Stainless steel
- 818744C** Pharmaceutical pellet die holder

TESTING/PROCESSING

(See pages 9 and 13)

Pressure Cell Assemblies

- 2953** Pressure cell, 50 ml
- 3343** Pressure cell, 100 ml (Model M only)

Plate and Cloth Equipment

- 2093** Plate and cloth, tray, forming frame and rolled screens

Cage Equipment

- 2094** Cage equipment including felt discs, steel discs, tray, bulb type syringe and mounting hardware. Minimum daylight opening of 16" required.

Polished Chrome Plates and Blotters

(For laminating applications)

- 235020** Plate with 2-3 micro-inch finish, 1 side polished, 6"x 6" x .031" thick
- 235021** Plate with 2-3 micro-inch finish, 1 side polished, 9"x 9" x .031" thick
- 235022** Plate with 2-3 micro-inch finish, 1 side polished, 9"x 12" x .031" thick
- 235023** Plate with 2-3 micro-inch finish, 1 side polished, 12"x 12" x .031" thick
- 823003** Protective blotter, 6"x 6"
- 823012** Protective blotter, 9"x 9"

- 823005** Protective blotter, 9"x 12"
- Heated Test Cylinders**
- 2472** Heating jacket with 1.125" test cylinder
- 2417** Heating jacket with 2.25" test cylinder

SAFETY SHIELDS

(See page 14)

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

GAUGES/THERMOMETERS

(See page 13)



Gauges for Model C

- 381005** Gauge normally furnished with Model C, 0 - 24,000 lb applied force, 11,000 kg, 200 lb increments
- 381042** Model C gauge, 0 - 500 lb, 250 kg, 5 lb increments
- 381001** Model C gauge, 0 - 1,000 lb, 450 kg, 10 lb increments
- 381002** Model C gauge, 0 - 2,000 lb, 900 kg, 20 lb increments
- 381003** Model C gauge, 0 - 5,000 lb, 2,250 kg, 50 lb for high and low pressure readings
- 381004** Model C gauge, 0 - 10,000 lb, 4,500 kg, 100 lb increments

Gauges for Model M

- 381008** Gauge normally furnished with Model M, 0 - 50,000 lb applied force, 22,500 kg, 500 lb increments
- 381006** Model M Gauge, 0 - 5,000 lb, 2,250 kg, 50 lb increments
- 381007** Model M Gauge, 0 - 10,000 lb, 4,500 kg, 100 lb increments

Two Gauge Manifold

- 2096** Two gauge manifold
- 3676** Digital force display

Dial Thermometers



- 385001** Dial face thermometer 150°F to 750°F
- 385002** Dial face thermometer 50°C to 400°C

HYDRAULIC UNITS

(Specify press Catalog Number)

- 3912** 12 ton hydraulic unit
- 3437** 12 ton hydraulic unit with gauge and coupling assembly
- 3925** 25 ton hydraulic unit
- 3438** 25 ton hydraulic unit with gauge and coupling assembly
- 321007** Pump and reservoir for 30 ton presses
- 3467** Hydraulic cylinder for 30 ton presses
- 3729** 12 ton repair kit
- 3730** 25 ton repair kit
- 2170** Carver hydraulic fluid

AUTOPAK POWER UNITS

(See page 16)

- 3946D** AutoPak/12, for 12 ton presses, digital control
- 3947D** AutoPak/25, for 25 ton presses, digital control
- 3948D** AutoPak/30, for 30 ton presses, digital control

FLOOR STANDS

(See page 14)

- 223160C** Press stand for AccuStamp® presses, 30" high
- 223171C** Press stand for 2 column and 4 column presses
- 223175C** Press stand for Auto Series 30" high
- 223199C** Press stand for Auto Series with hinged rear doors