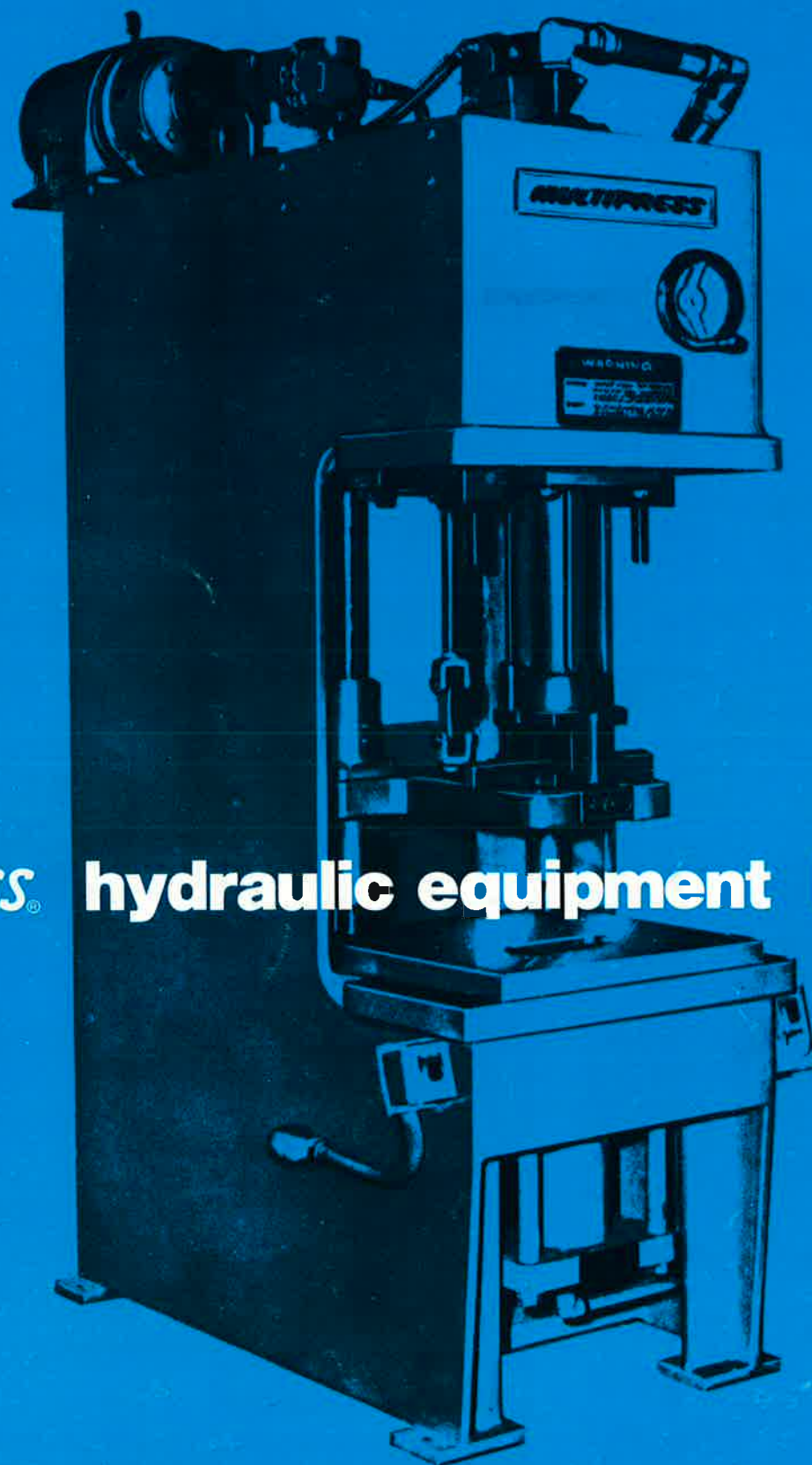


NOV 1 1957



MULTIPRESS hydraulic equipment

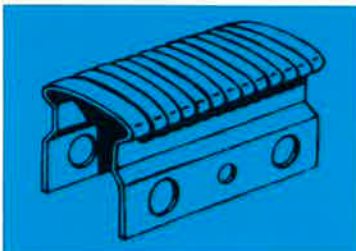
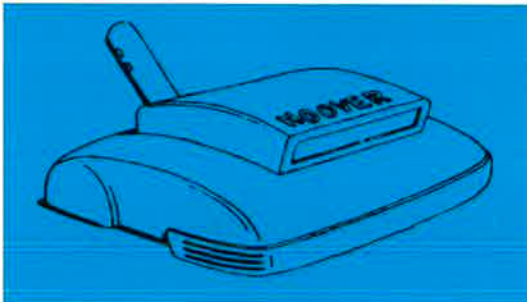
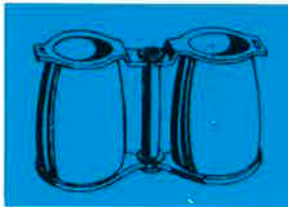
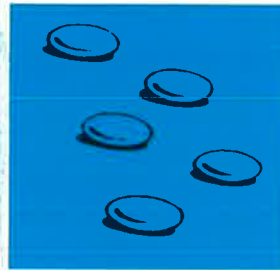
Abex DENISON

NOV 1 1957

**if you
are interested
in improving
your profits and
your process
calls for:**

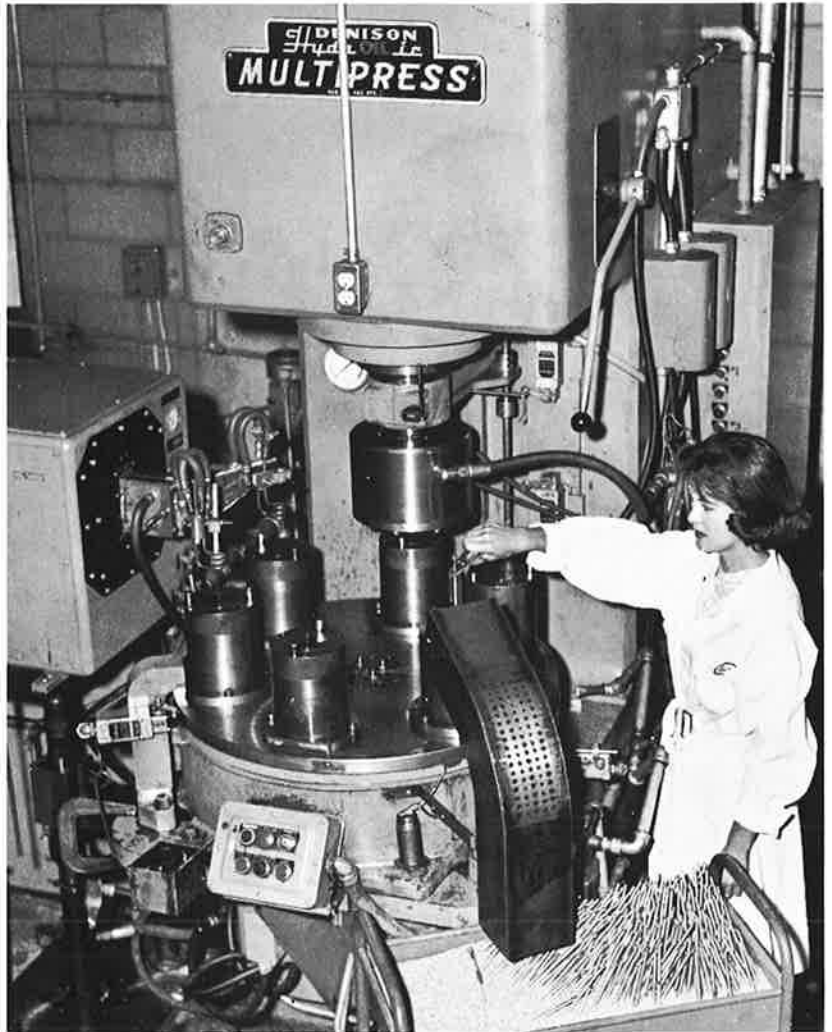
**BROACHING
FORMING
COMPACTING
NIBBLING
SHAPING
STAMPING
PRESSING
INJECTING
SLOTING
TRIMMING
STAKING
EMBOSSING
MARKING
BENDING
PEENING
BLANKING
PELLETING
TESTING
CLEANING
BURNISHING
PUNCHING
CRIMPING
COINING
HONING
ASSEMBLING
RIVETING
STRAIGHTENING
BRIQUETING
MOLDING
FORGING
SWAGING
BALLIZING**

***MULTIPRESS®*
equipment
is your
answer**

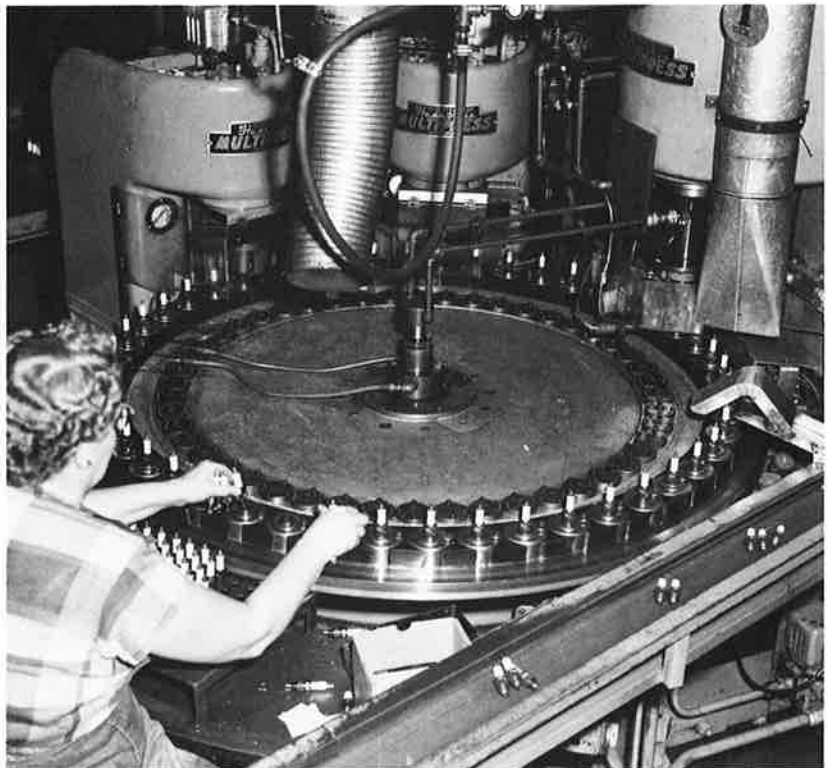


**...as it has proved
and is proving
for others**

Titanium steel bolts are hot forged on this press equipped with index table and knockout ram. Setup accommodates bolts $\frac{1}{4}$ " to $1\frac{1}{2}$ " in diameter and of various lengths.

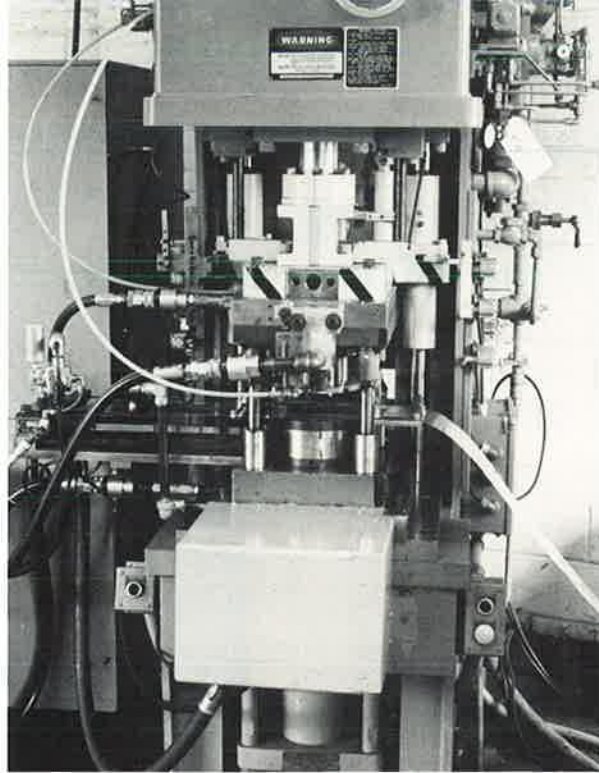


Three Multipress hydraulic presses and an index table have increased both quantity and quality of product for this manufacturer.



in hundreds of industries and applications

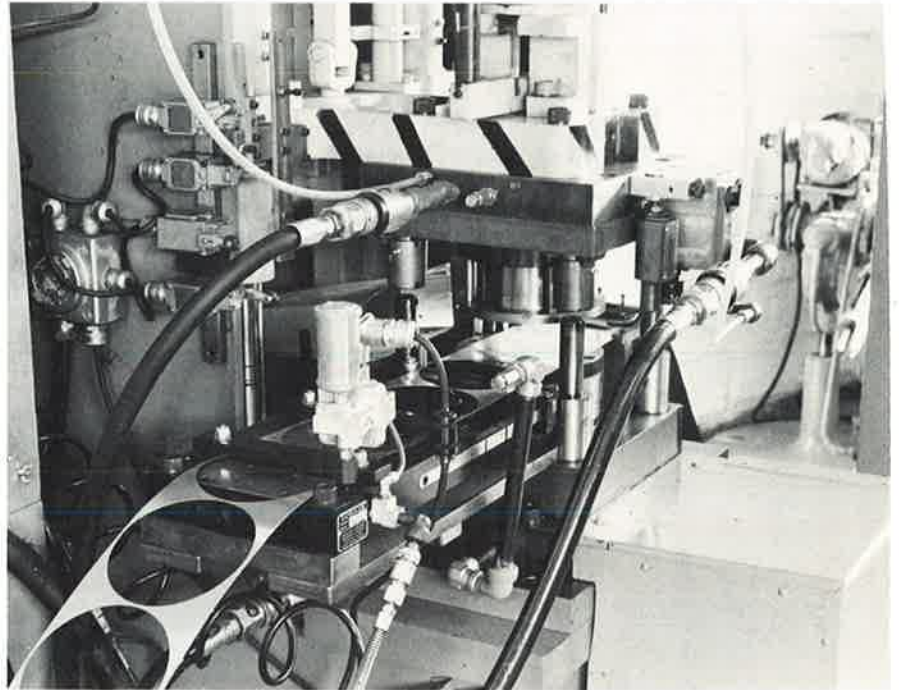
This 25-ton Denison Open-Back hydraulic press produces one- and two-inch deep metal cans at a rate of 4,000 to 4,500 per hour. Through triple-action dies, blanking, drawing and curling are accomplished in a single ram stroke. Ejection through the open back greatly speeds production.



A large Denison press piercing dielectric material with as many as 450 holes per stroke without shatter or spoilage. ➤

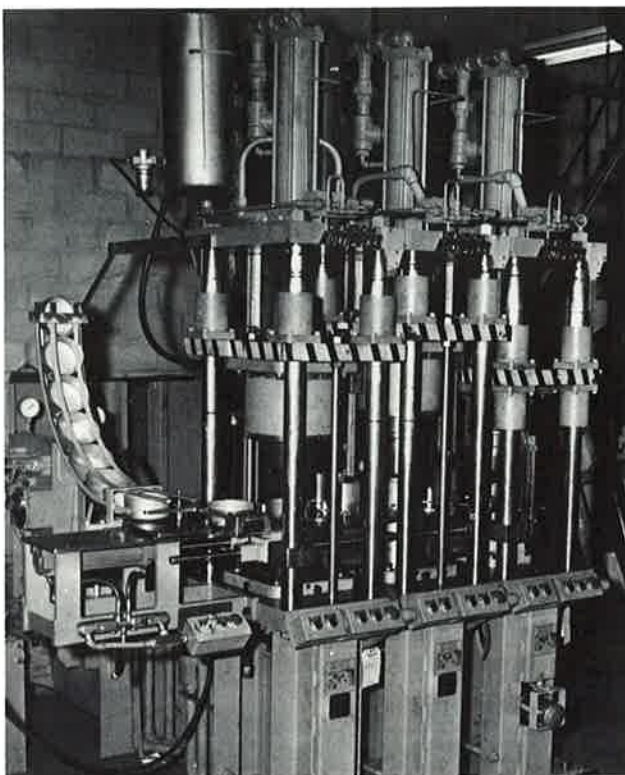
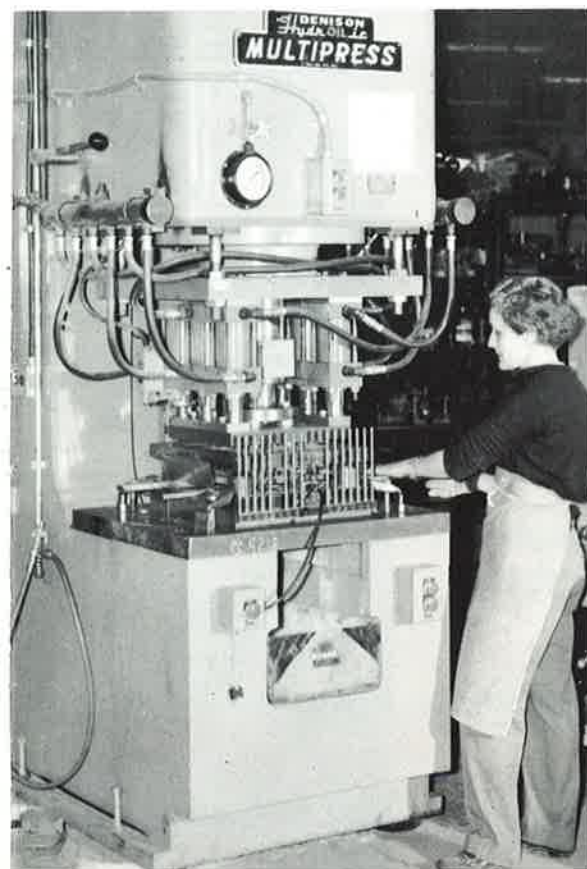


Closeup of tooling used on the 25-ton Denison hydraulic press shown above.

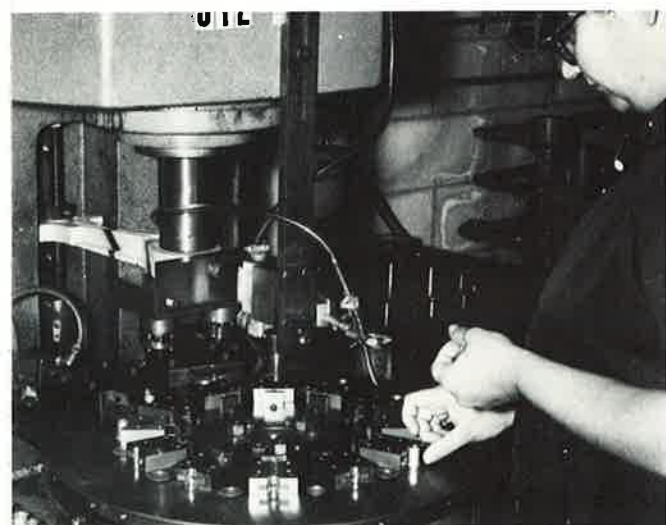
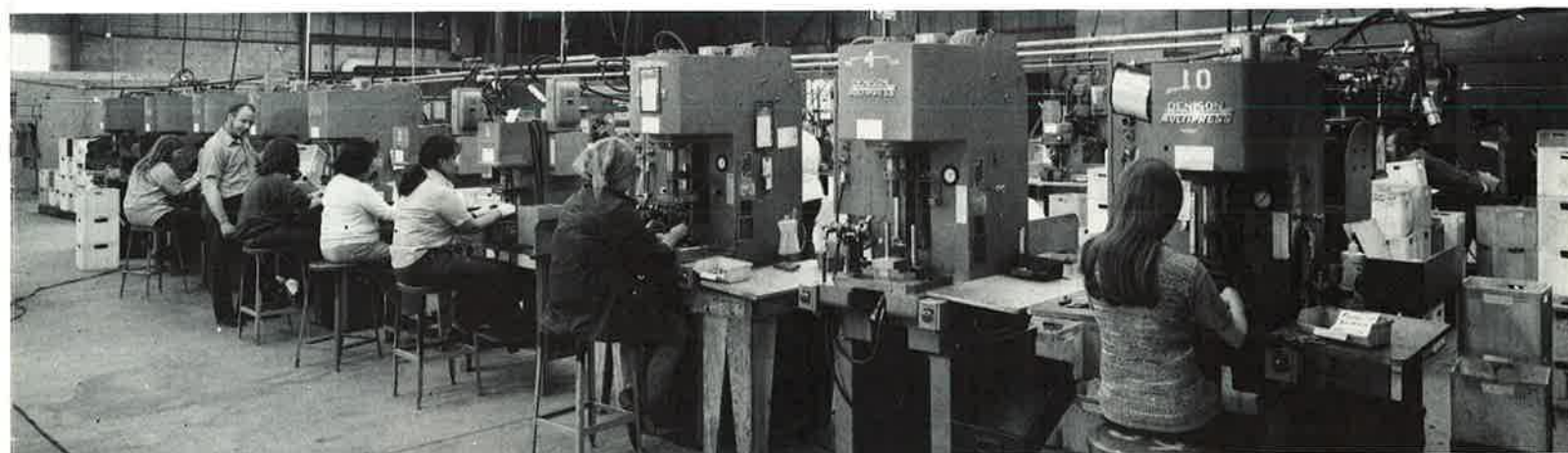


This Multipress reduced scrap more than ninety per cent and greatly increased production in the crimping of automobile mirror assemblies.





Three standard, 15-ton, 4-post Multipress units on a common base provide straight-line production of 25 oil filter cans per minute. Rough drawn cans, automatically fed from left, are (1) redrawn, (2) finish drawn, (3) trimmed and flange flattened.



A 12-ton Denison hydraulic press with index table tooled for the production of thin-walled aluminum spools at a rate of 1,450 pieces per hour.

Assembling model locomotive parts of uniform high quality and at a scrap rate of less than one per cent is achieved by these ten Multipress Hydraulic Presses with instant-reversal automatic ram pressure control.

Explosion-proof versions of Multipress equipment are available for use in hazardous environments such as encountered in ordnance plants.

CONTROL!—amazingly exact, manual or automatic—of ram speeds, ram pressures, ram strokes, ram action, is what makes *MULTIPRESS*® equipment so capable and versatile.

plus, of course, the inherent and unequalled smoothness of hydraulic power

The cutaway view at right is self-explanatory of the standard, basic WR and WS Series MULTIPRESS Bench Presses which are completely self-contained.

OPERATING CONTROLS

Dual *anti-tiedown*, *anti-repeat* manual levers, or dual *anti-repeat* electric pushbutton controls are standard, meeting OSHA requirements insofar as interpretation will permit.

TOUCH CONTROL

C-257 Servo Control, an optional and exclusive feature for MULTIPRESS Bench Presses, provides the operator a distinct feel of every ram action and pressure. It is the ideal control for such applications as straightening, press fitting, etc., wherever accurate and sensitive manual control are needed.

RAM CONTROL

Selection of the proper control valve (see page 8) can provide Rapid Approach, Adjustable Pressing Speed, Pressure Reversal, Position Reversal, Time Delay up or down. A rotary handwheel for inching the ram up or down is a recent and versatile innovation for tooling setup, stroke length adjustment, and setting system pressure.

VIBRATORY RAM ACTION

C203 or C208 Control Valves, as described on page 8, afford manual or automatic operator control of short, repeat ram strokes — ideal for applications such as riveting, compaction, coining, peening, etc.

STROKE LIMIT CONTROLS

Press ram downstroke may be controlled by a lower stop collar which is adjustable, and a maximum pressure control valve. Pressure reversal provides *automatic* quality control in assembly operations whatever the material tolerances and physical characteristics. Position reversal avoids overtravel of the ram tool in such operations as blanking, piercing, punching — speeds production. Upstroke of the press ram may be pre-set for each application by rotary handwheel positioning of the upper stop collar to limit overall stroke — another production time saver, because the shorter the stroke, the more cycles per hour.

If yours is a special control requirement, consult with us. We can solve it — may have already done so for someone else.

RAM AND CYLINDER

UPWARD STROKE LIMIT CONTROL

NON-ROTATING RAM GUIDE

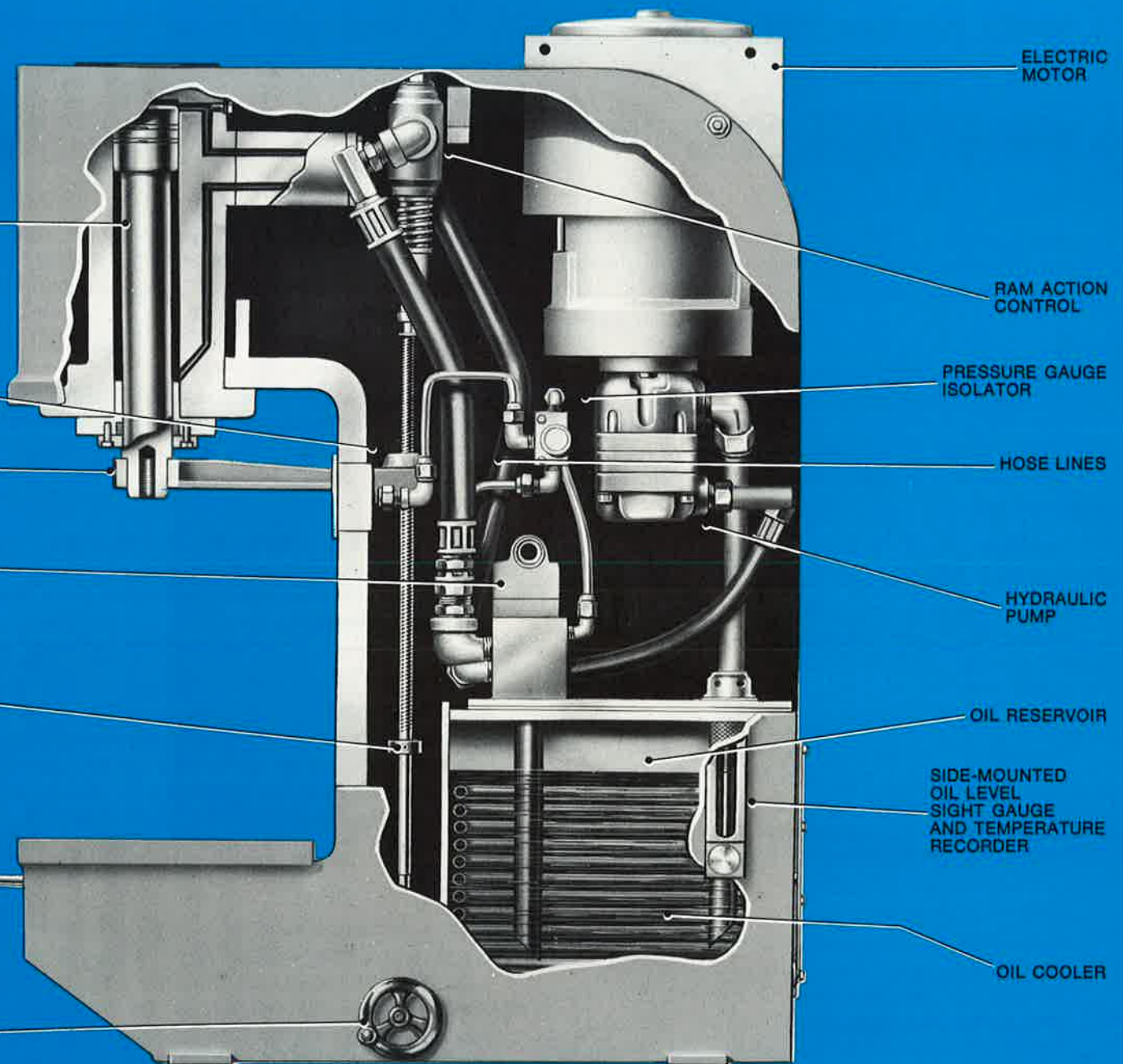
ADJUSTABLE RAM PRESSURE CONTROL

DOWNWARD STROKE LIMIT CONTROL

RAM MOVEMENT CONTROL

- Dual Levers
- Single Lever
- Dual Electric Pushbuttons
- Single Electric Pushbutton

HANDWHEEL-TYPE RAM STROKE ADJUSTMENT AND INCHING CONTROL



versatile **CONTROL VALVES** for increased production with Series WR, WS, FH12 and FH20 **MULTIPRESS®** equipment

C201

Basic, manual, 4-way valve, available only with dual, anti-tiedown, anti-repeat hand levers as standard ram movement controls.

C261

Manual, differential fast-approach circuit valve, for an approximately 85% faster ram approach speed than pressing speed; changes fast to pressing speed when ram contacts work. Available only with dual anti-tiedown, anti-repeat hand lever ram controls.

C202

Manual, adjustable, controlled pressing speed valve. Available only with dual, anti-tiedown, anti-repeat hand lever ram controls.

C203

Offers adjustable-length, short, repeated ram strokes of pre-set pressure on the work as long as the anti-tiedown, dual hand levers are depressed. Strokes may be from a few thousandths to one-half inch in length, or turned out of circuit. Inching control is not available with these valves.

C257

Servo control valve for use with single, right-hand ram control lever. Ram movement is directly proportional to lever movement. The valve's differential circuit provides rapid ram approach. Releasing the hand lever causes the ram to return to upper position and stop.

C304-E

Basic automatic valve for automatic or single-cycle press operation, and which features pressure or distance reversal.

C364-E

Automatic, differential fast-approach valve (approximately 85% greater than pressing speed), with pressure or distance reversal, single or automatic cycle.

C309-E

Semi-automatic valve for interlock of hydraulic accessories; for single or automatic cycle, pressure or distance reversal.

C369-E

Semi-automatic, differential fast-approach valve (approximately 85% greater than pressing speed), for interlock of hydraulic accessories; pressure or distance reversal.

C208

Automatic vibratory valve for single or automatic cycle plus repeat, short pressure strokes adjustable in length and number, and with adjustable pressing speed for last 2¼" of ram stroke in use. **Pressure reversal only.** Inching control is not available with these valves.

C213

Semi-automatic vibratory valve for single or automatic cycle plus repeat, short pressure strokes adjustable in length and number and adjustable pressing speed for last 2¼" of ram stroke in use. For interlock of hydraulic accessory. **Pressure reversal only.** Inching control is not available with these valves.

The above described valves are available with WR, WS and FH12 Series Presses. Valves C304-E and C309-E may be used with FH20 Series Presses. See page 14 for Control Valves Selection Chart.

series **WUA-TR** **MULTIPRESS**® equipment

1-TON AND 2-TON CAPACITIES

The Denison Series WUA Press is a low-priced economy unit incorporating design and performance features developed through extensive market research and investigation of industry's production needs.

This series of presses meets the needs of industry for lightweight, compact, high-speed hydraulic presses capable of versatile, effortless operation and adaptable to a wide range of production needs and tooling set-ups.

Maintenance costs have been reduced to the minimum and servicing has been simplified as a result of the unique design which features a self-contained hydraulic power cylinder and valve unit assembly.

Simple electric circuit arrangements involving the solenoid valve allow these presses to be operated by timers or by remote control. For information regarding the adaptation of accessories to meet specific needs, contact the nearest Denison Multipress Sales Representative.

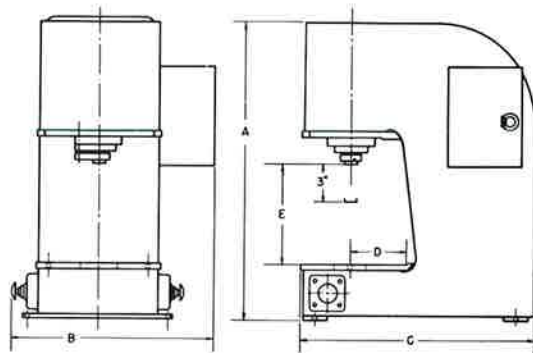
1-TON MODEL WUA-1TR

This press is designed for applications which require up to 8¼ inches of daylight and a pressing range of from 1100 to 2000 pounds. Only 23⅞ inches high, this press can be easily and economically used for one specific operation and conveniently stored when not in use. The 1-ton Series WUA Press weighs only 250 pounds. It can be moved throughout shops or factories to handle a wide variety of production needs and need not be anchored in one specific location.

2-TON MODEL WUA-2TR

Employing the same basic design features found in the 1-ton model, this press offers up to 10⅝ inches of daylight and a pressing range of from 2200 to 4000 pounds. This compact press weighs approximately 400 pounds and its overall height is only 28 inches. Since the unit requires no fixed-position anchoring, it can be quickly and easily moved to various production areas to handle a wide variety of production jobs.

For detailed specifications write for Bulletin M-36.



SPECIFICATIONS		1-TON	2-TON
A	Height	23⅞"	28"
B	Width	12½"	13½"
C	Depth	18⅛"	22⅝"
D	Throat	4½"	4½"
E	Daylight	8¼"	10⅝"
	Stroke (Fixed)	3"	3"
	Weight (Approx.)	250 lbs.	400 lbs.
	Motor (Horsepower)	¾	¾

CURRENT SPECIFICATIONS (60 Hertz)

Single Phase		Three Phase	
110 volts 10.8 amps	220 volts 2.8 amps
220 volts 5.4 amps	440 volts 1.4 amps
	(¾ hp motor)		(½ hp motor)

series **WR and WS** bench type **MULTIPRESS®** equipment

These presses meet Abex/Denison interpretation of JIC specifications and their controls meet OSHA-ANSI B11.2 insofar as interpretation will permit, offering either anti-tiedown, anti-repeat dual levers with manual control valves, or dual pushbuttons, anti-repeat, with automatic control valves for single cycle operation. Presses are painted with machine tool gray lacquer as standard.

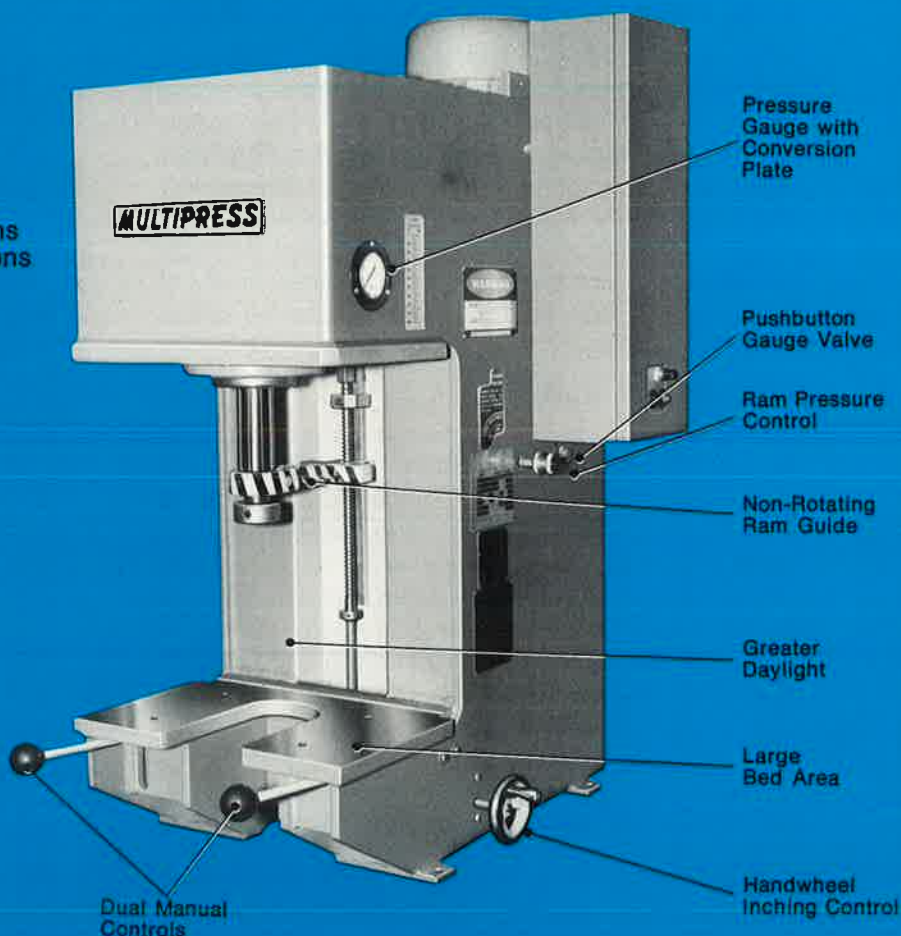
For detailed specifications covering these presses write for Bulletins M-62 and M-63.

SPECIFICATIONS

	WR Series	WS Series
Overall Height	53"	59"
Width	18"	21"
Depth	30"	34"
Weight	1100	1400
Daylight	16"	18"
Adjustable Stroke	12"	12"
Throat Depth	7½"	7½"
Reservoir Cap.	10 gal	18 gal

- Quiet, Easy-Maintenance Hose Lines
- Rear-Mounted Oil Level Gauge with Thermometer
- Easy-Access Reservoir Cleanout Door

CAPACITIES
WR — 2 to 6 tons
WS — 8 to 12 tons



series **FW** **MULTIPRESS®** equipment

8, 15 AND 35-TON CAPACITIES

SPECIFICATIONS

	8-ton	15-ton	35-ton
Height (Overall)	79" approx	78" approx	95"
Width	19½"	22"	26"
Depth	48⅛"	58"	74"
Weight	1350 lb	2250 lb	3850 lb
Daylight	18"	18"	24"
Stroke (max. adjustable)	12"	12"	15"
Throat Depth	8"	10"	12"
Cylinder Piston Diam.	3¼"	4"	6"
Rod Diam.	2"	2½"	4"
Working Pressure at max. tons	1930 psi	2390 psi	2475 psi
Pump (vane type)	TMB (9 gpm at 1800 rpm)	T5CC-008-005 (12 + 7½ gpm at 1800 rpm)	T5CC-017-008 (25.5 & 12 gpm at 1800 rpm)
Motor (electric)	7½ hp at 1800 rpm HFM 213 TC "C" face flange	10 hp at 1800 rpm HFM 215 TC	15 hp at 1800 rpm 254 TC
	Drip proof 230/460/3/60	Drip Proof 230/460/3/60	Drip Proof 230/460/3/60
Valve	C-261	Tandem C-261	Manual Regenerative
Ram Speeds			
Approach	595 ipm	760 ipm	630 ipm
Pressing	190 ipm	75 ipm	66 ipm
Return	365 ipm	485 ipm	505 ipm
Reservoir Capacity	20 gal	35 gal	75 gal



KEY TO PRESS MODEL NUMBERS

Frame Style	Tonnage	Motor	Duty Cycle
FWS	8	7	M
FWH	15	0	M
FWL	35	15	M

For detailed specifications of these presses, write for Bulletins M-60, M-61 and M-65.



**series FH20, FL35,
FN50, FQ75, FX100,
FY150 and FZ200
MULTIPRESS®
hydraulic presses**

**20, 35, 50, 75, 100, 150 AND 200 TON
CAPACITIES RESPECTIVELY**

These presses are completely self-contained units with pump, motor, and hydraulic fluid reservoir within their frames. They offer unusual versatility and flexibility for presses of their size — very similar, in fact, to that of smaller bench models. Their many varied and highly useful ram actions are achieved through use of the control valves described on page fourteen. Ram speeds, pressures, and stroke lengths may be accurately regulated and maximum ram pressure automatically maintained. Ample daylight under their rams facilitates tooling setups and all setup controls are located on the side of the presses, clear of the work area. Dual anti-repeat electric pushbutton controls are provided. Oil cooler and water regulating valve are furnished with each floor model press.

**For detailed specifications of these presses
write for:**

**Series FH-20 — Bulletin M-51
Series FL-35 — Bulletin M-52
Series FN-50 — Bulletin M-53
Series FG-75 — Bulletin M-31
Series FQ-100 — Bulletin M-54
Series FY-150 — Bulletin M-66
Series FZ-200 — Bulletin M-67**

SERIES FH-FL-FN-FQ-FX-FY-FZ C FRAME FLOOR MODELS

SPECIFICATIONS

	FH20-20H	FL35-30H	FN50-30H	FQ75-30H	FX100-40H	FY150-60M*	FZ200-60M*
Height Overall	85"	92¼"	94¼"	106"	108"	110"	110"
Width	25¾"	30"	31"	33"	36"	40"	40"
Depth	46"	61"	61"	64½"	73½"	81½"	81½"
Weight	3300	7600	9000	12,000	14,600	22,000	22,000
Daylight	21"	25"	24"	30"	30"	36"	36"
Adjustable Stroke	12"	15"	15"	15"	15"	15"	15"
Throat Depth	10"	12"	12"	13"	14"	16"	16"
Cylinder Bore	4½"	5"	6"	7"	8½"	11½"	11½"
Ram Diameter	3¼"	3½"	4¼"	5"	6"	8"	8"
System Pressure Max Tonnage, PSI	2516	3565	3536	3900	3525	2890	3850
Pump	TIC-014-21R-02	PIF07-015-51R	PIF07-015-51R	PIF07-012-51R	PIF-020-51R	T5QD-031-IR03	P2F07
Electric Motor	20 hp- 1800 rpm HFM 256TC	30 hp- 1800 rpm HFM-286 TSC	30 hp- 1800 rpm HFM-286 TSC	30 hp- 1800 rpm HFM-286 TSC	40 hp- 1800 rpm HFM-324 TSC	60 hp- 1800 rpm HFM-364 TSC	60 hp- 1800 rpm HFM-364 TSC
Control Valve	See Page 14						

RAM SPEEDS

Approach, IPM	550	525	365	232	250	190	140
Pressing, IPM	250	240	166	114	122	80	60
Return, IPM	600	500	370	242	248	180	130
Reservoir Capacity, GAL.	55	70 - 85	70 - 85	75	70 - 85	110	110

***Will Be Available As Standard Product During 1977.
BED HEIGHT — 32" COMMON**

CONTROL VALVES for large presses

C592-E

This valve features differential fast approach speed, adjustable pressing speed, pressure or distance reversal. It is dual pushbutton controlled for single cycle press operation.

C51

Servo control valve, single righthand lever controlled, for ram movement directly proportional to lever movement. Its differential circuit provides rapid approach of ram to work. Releasing the hand lever causes the ram to return to upper position and stop. Ideal for straightening, press fitting and similar operations.

C94-E

Basic automatic control valve, for differential fast approach speed, automatic or single cycle press operation, pressure or distance reversal of ram movement, and automatic change of ram approach speed to pressing speed upon contact with work. Dual pushbutton controlled for single cycle press operation.

C99-E

A semi-automatic valve for interlock of hydraulic accessories, single or automatic cycling, pressure or distance ram reversal.

C98-E

Automatic vibratory control valve offering single or automatic ram cycling, plus repeated short pressure strokes adjustable in both length and number, also adjustable pressing speed downward and pressure or distance ram reversal. Dual pushbutton controlled for single cycle press operation.

C95-E

A semi-automatic vibratory stroke control valve, for interlock of hydraulic accessories, single or automatic cycling, pressure or distance ram reversal. Affords repeated, short ram strokes adjustable in both length and number, and adjustable ram pressing speed downward.

C96-E

Automatic control valve, for differential fast ram approach speed, automatic or single cycle press operation, pressure or distance reversal, and adjustable ram pressing speed downward. Dual pushbutton controlled for single cycle operation.

C97-E

Semi-automatic control valve for interlock of hydraulic accessories, single or automatic ram cycling, pressure or distance reversal, and adjustable pressing speed downward.

Valves in this group are standard for FH, FL, FN, FQ and FX Series presses, the Open Back 25-ton press, 20, 35 and 50-ton General Purpose presses, and Die-Casting Trim Presses.

CONTROL VALVES SELECTION CHART																
	Manual (Single Cycle)					Automatic (Continuous Cycle)										
						For Floor Presses										
	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses	For Bench Presses
	C201	C261	C202	C203	C257 (Servo)	C592 E/M	C251 (Servo)	C304* E/M	C309* E/M	C364 E/M	C369 E/M	C208 E/M	C213 E/M	C94 E/M	C99 E/M	C96 E/M
DISTANCE REVERSAL	X	X	X	X		X		X	X	X	X			X	X	X
PRESSURE REVERSAL				X		X		X	X	X	X	X	X	X	X	X
DIFF. APPROACH		X				X				X	X			X	X	X
ADJUSTABLE PRESSING SPEED			X			X									X	X
VIBRATORY				X								X	X			X
INTERLOCK WITH ACCESSORY								X		X		X		X		X
INCHING CONTROL (HW-Handwheel, L-Lever)	HW	HW	HW	HW	L	HW	L	HW	HW	HW	HW			L	L	L

4-post general purpose **MULTIPRESS®** equipment

25, 35 AND 50-TON CAPACITIES WITH CROWN-MOUNTED POWER ASSEMBLIES

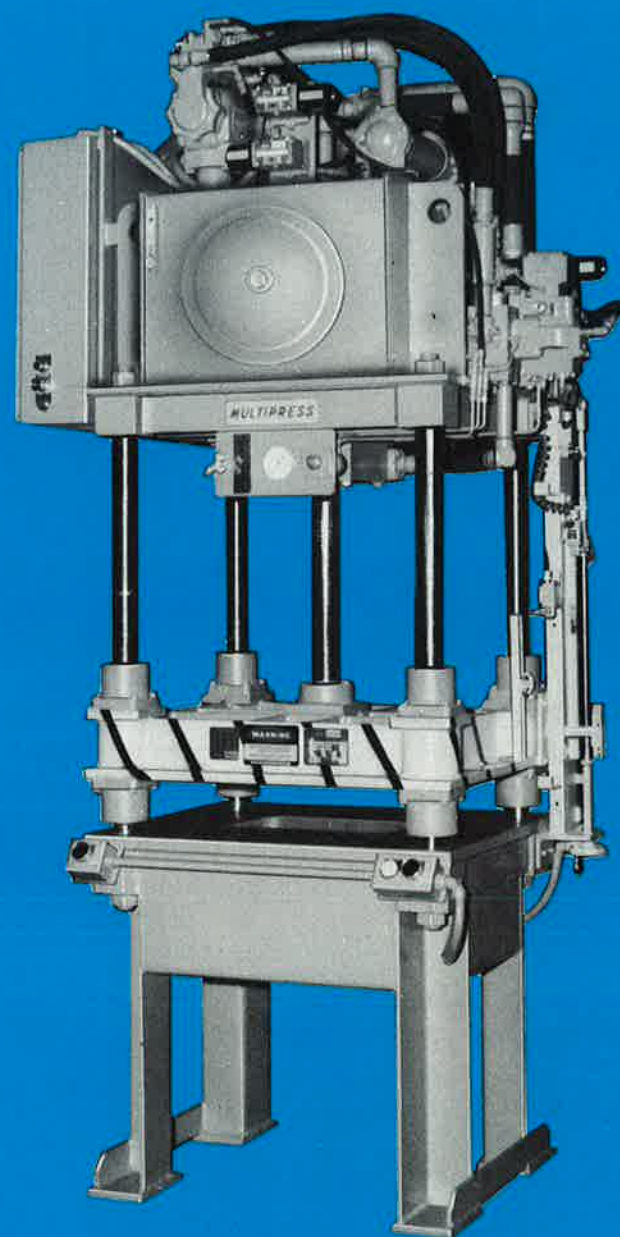
Featuring C-592E Control Valve, Top and Bottom Platen Guides, JIC Power Unit, Dual Pushbutton Control for Single Cycle, Rapid Approach, Adjustable Pressing Speed, Pressure or Position Reversal.

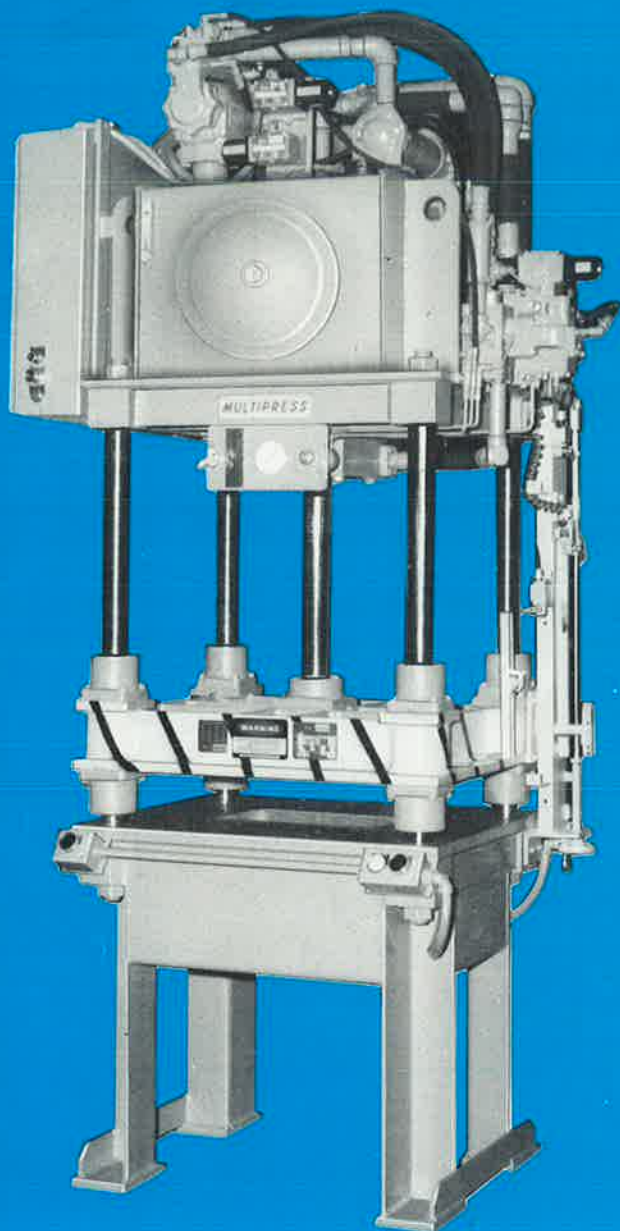
These presses are designed for exceptional versatility and to reduce production costs on an endless range of pressing operations. Their 4-post construction and crown-mounted power unit permit easy access to the working area from four sides, maximum flexibility in design of tooling, speed in production. They are ideally suited for automated setups and transfer-type mechanisms. Oil reservoir and heat exchanger are included in the power assembly.

For detailed specifications covering these presses write for Bulletins M-56, M-58.

SPECIFICATIONS

	GP020	GP035	GP050
Overall Height	127"	132"	138"
Width	63"	71"	71"
Depth	43"	47"	47"
Daylight	30"	32"	38"
Adjustable Stroke	18"	18"	24"
Between Posts — L to R	30¼"	36"	36"
Between Posts — F to B	22¼"	28"	28"
Electric Motor	See bulletin M-58	See bulletin M-58	See bulletin M-58
System Pressure	2510	2945	3020
Control Valve	C592E	C592E	C592E
Ram Speeds	See bulletin M-58	See bulletin M-58	See bulletin M-58
Reservoir Cap.	50	85	85
Weight	4500	7500	7800





MULTIPRESS® equipment **die-castings** **trim presses**

4-POST, 20, 35, 50-TON CAPACITIES

Crown Mounted Power Units and Oil Reservoirs

These presses feature the C592E Control Valve, top and bottom platen guides, JIC power unit, dual pushbutton control for single cycle, pressure or position reversal. Their counterbalanced cylinder meets proposed ANSI B11.2 power press standard. Handwheel inching for quick die setup and change-over is included.

For detailed specifications of these presses write for Bulletin M-57.

SPECIFICATIONS

	DCT-020	DCT-035	DCT-050
Overall Height	127"	132"	138"
Width	63"	71"	71"
Depth	43"	47"	47"
Daylight	30"	32"	38"
Weight	4500#	7500#	7800#
Adjustable Stroke	18"	18"	24"
Between Posts L. to R.	30¼"	36"	36"
Between Posts F. to B.	22¼"	28"	28"
Electric Motor	15 hp	20 hp	20 hp
System Pressure	2510	2945	3020
Control Valve	C592E	C592E	C592E
Reservoir Cap.	50	85	85

RAM SPEEDS

Approach	1600	900	725
Pressing	100	60	45
Return	1270	1000	665

MULTIPRESS[®] equipment portion compacting presses

For perfectly formed and bonded portions of flaked/blended frozen meat, poultry, fish and other food products.

These 12 and 20-ton Abex/Denison hydraulic presses with indexing tables and dies are especially designed for meat and foods processing. Their electrical and hydraulic systems are water-tight sealed for leak-proof and "clean-in-place" operation. Their use is U. S. Department of Agriculture approved in Federally inspected plants. Users have achieved better and more predictable products—at more predictable cost—with no bacteria problems and far fewer culls due to breakage and imperfect form. The presses are electric push-button controlled for automatic cycling and offer easy, exact adjustment and maintenance of ram pressure and stroke length.

TYPICAL PRODUCTION CAPACITIES	POUNDS PER HOUR	
based upon six-station, hand-fed indexing table	Single Cavity Die	Double Cavity Die
Four-ounce steak	450	900
Five-ounce steak	560	1120
Six-ounce steak	675	1350
Seven-ounce steak	780	1560



Pre-formed flaked and blended meat patties emerging from quick-freeze tunnel, ready for placement in molds on the press indexing table where they will be welded into uniform, steak-shaped portions which look, cook and taste like whole muscle steak.

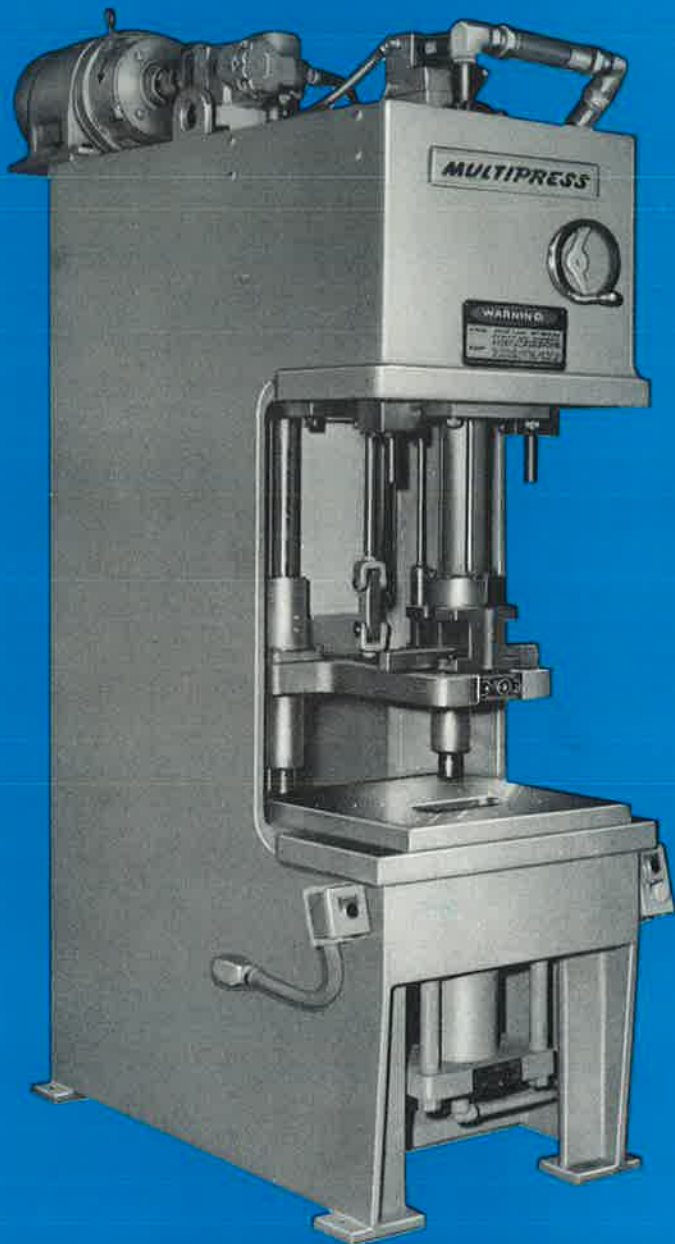


This press with indexing table bonds and shapes portions of whole muscle meat and variety meats such as frozen beef liver while also eliminating blood loss and making the product more attractive and easily handled. Finished steaks are automatically ejected from the dies.

FLOW DIAGRAM OF A TYPICAL STEAK PROCESSING/FORMING OPERATION



For additional information write for Bulletin 130.



MULTIPRESS® equipment **open back** **hydraulic press**

25-TON CAPACITY

This Open Back hydraulic press will operate as fast as a mechanical press with automatic feed on most blanking and forming operations. It will accommodate standard dies from mechanical open back presses. Its handwheel inching control affords quick die changes. The press meets OSHA specifications insofar as Denison interpretation will permit. It is priced competitively with the cost of converting existing mechanical presses to OSHA specifications.

SPECIFICATIONS

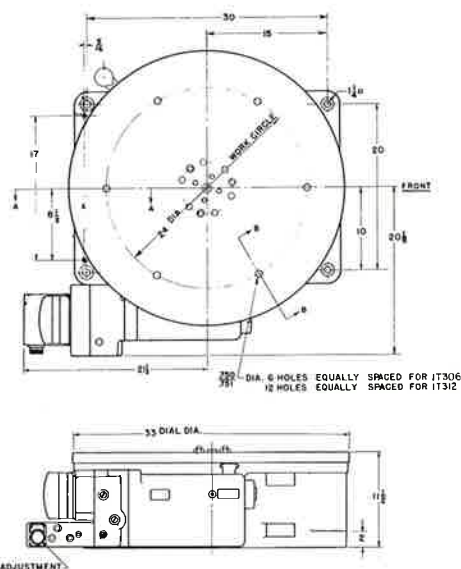
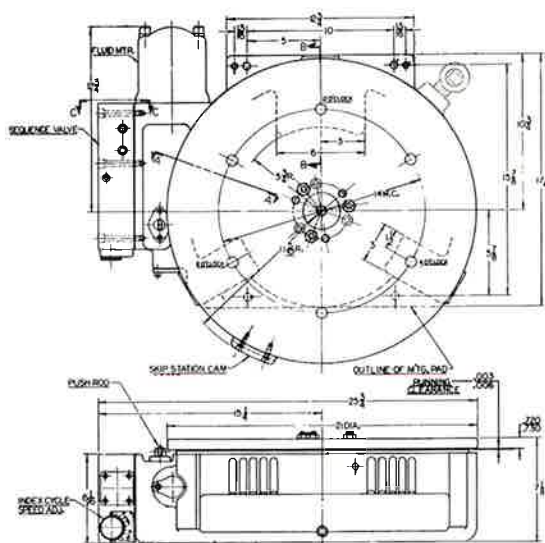
Capacity	25 tons
Height (Over-all)	108"
Width	29"
Depth	64"
Daylight	21"
Ram Stroke (Max Adjustable)	12"
Throat Depth	10"
Cylinder-Bore Rod	5" dia 3½" dia.
Working Pressure @ 25 tons	2540 psi
Pump	T5CC-022-010 (33 and 15 gpm @ 1800 rpm
Motor-Electric	20 hp, 1800 rpm, Frame 256TC 230/460v, 3 ph, 60 hz
Ram Speeds	Approach 880 ipm Pressing 160 ipm Return 1020 ipm
Reservoir Capacity	95 gal
Opening Thru Throat	R - L 12" Vert. 14"
Bed Height	32"

For detailed specifications covering these presses, write for Bulletin M-64.

Abex DENISON
index tables

Abex/Denison hydraulic, Geneva motion, index tables are available for all models of Abex/Denison C-frame presses except Series WUA, FWS, FWH and FWL. They are offered in two standard sizes as fully described in Bulletins M-9-G and M-9-1-C. The tables operate from and in sequence with the action of the press ram. Table dimensions are shown below. Both sizes of tables are available as 6 and 12-station, for clockwise or counter-clockwise rotation. Skip-station operation is standard for the 100 Series table, and is available as an accessory for the 300 Series unit. The 100 Series table with 14" work circle, and the 300 Series with 24" work circle, are fast, accurate units: 100 Series affording up to 180 indexes per minute, with accuracy of .001"; the 300 Series offering up to 70 indexes per minute, with .002" accuracy. Both series of tables are arranged for air, cam, or other means of ejection of parts.

For detailed specifications, write for Bulletins M-9 and M-9-1.



INDEX CYCLE SPEED ADJUSTMENT

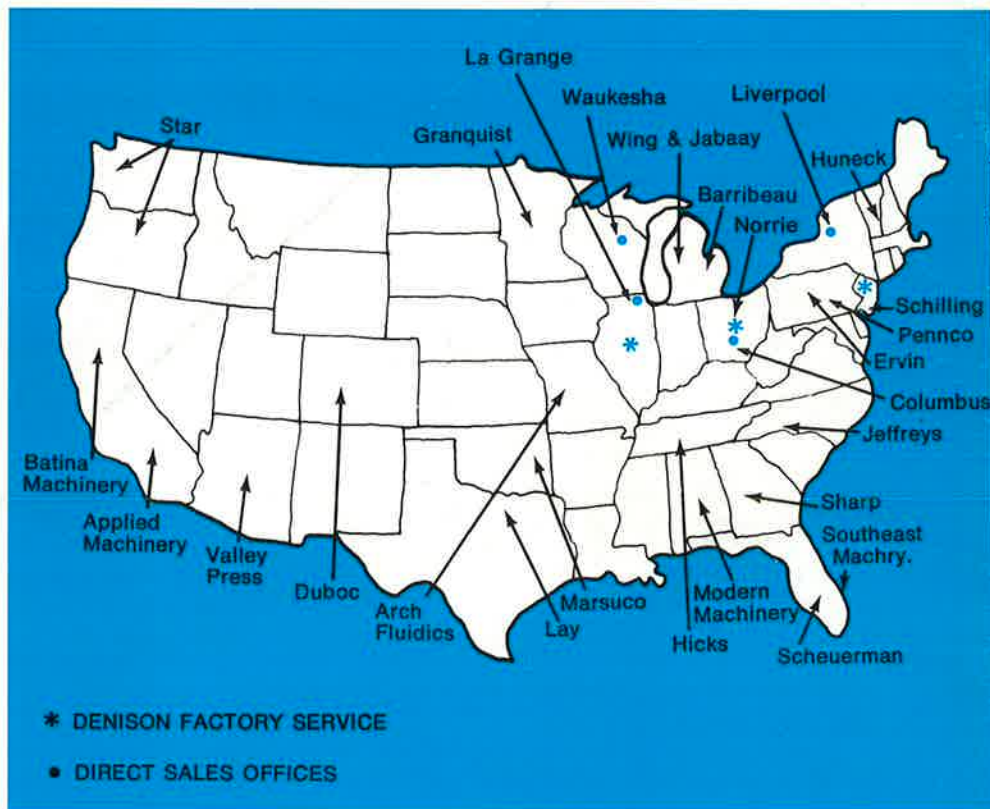
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MULTIPRESS®

EQUIPMENT BUYERS GUIDE

A handy reference to Abex-Denison's complete line of standard hydraulic
Multipress® equipment with capacities from 1 to 250 tons.

BENCH MODELS

Series	Tonnage	Closing IPM	Return IPM	Pressing IPM	Daylight IN.	Stroke IN.	Pressing Range	Height (IN.) Basic W/Bench		Approx. Wt. (Lbs.) Basic W/Bench		
WUA	1	600	600	100	8 1/4	3	1,000-2,000	23 7/8	49	200		275
WUA	2	600	200	50	10 9/32	3	2,190-4,000	28	53 1/8	300		375
WUA	3	260	240	40	12	6	2,550-6,000	32 3/4	57 7/8	350		425
									High Low		High	Low
WR	4-6-8	900	985	440	16	12	400-12,000	49 1/2	73 1/4 67 1/4	1,100	1,230	1,250
WT	10-12	680	630	265	18	12	830-24,000	56	77 68 3/4	1,700	1,850	1,870

ACCESSORIES

WUA Series - Bench, Foil marking device, Positive stop (1 & 2 ton only), Bolster, Cooler, Small index table (2 ton only).

WR & WT Series - Benches, Foil marking device, Pelleting equipment, Stock, Feed, Table extensions, Index tables (6 & 12 station), Knockout rams.

ECONOMY FLOOR MODELS

Series	Tonnage	Closing In. per Min.	Return IPM	Pressing IPM	Daylight IN.	Stroke IN.*	Pressing Range (Lbs.)	Height IN.	Approx. Wt. (Lbs.)
FWS087M	8	595	365	190	18	12	4,000-16,000	79	1,350
FWH150M	15	760	485	80	18	12	6,000-30,000	82	2,275
FWL351M	35	630	505	66	24	15	9,000-70,000	95	3,850
FWN5020M	50	640	375	60	24	15	19,000-100,000	91	5,000

*Adjustable

FLOOR MODELS

Series	Tonnage	Closing IPM	Return IPM	Pressing IPM	Daylight IN.	Stroke IN.	Pressing Range (Lbs.)	Height IN.	Approx. Wt. (Lbs.)
FH20	20	550	600	250	21	12	9,000-40,000	85	3,300
FL35	35	525	500	240	25	15	9,800-70,000	92 1/4	7,600
FN50	50	365	370	166	24	15	14,200-100,000	94 1/4	8,000
FQ75	75	210	220	110	30	15	30,000-150,000	106	13,000
FX100	100	250	248	122	30	15	50,000-200,000	108	14,600
FY150	150	190	180	80	36	15	80,000-300,000	110	22,000
FZ200	200	140	130	60	36	15	80,000-400,000	110	22,000

ACCESSORIES

Bolster, Pelleting equipment, Index tables (6 & 12 station), Knockout rams.

FOUR-POST FLOOR MODELS

Series	Tonnage	Closing IPM	Return IPM	Pressing IPM	Daylight IN.	Stroke IN.	Pressing Range (Lbs.)	Height IN.	Approx. Wt. (Lbs.)
*GP20	20	1640	1315	115	30	18	8,000-40,000	127	4,500
*GP35	35	925	1035	75	32	18	12,000-70,000	132	7,500
*GP50	50	730	670	50	38	24	17,000-100,000	138	7,800
DCT20	20	1600	1270	100	30	18	8,000-40,000	127	4,500
DCT35	35	900	1000	60	32	18	12,000-70,000	132	7,500
DCT50	50	725	645	45	38	24	17,000-100,000	138	7,800

*33 Additional models available for a wide variation of speeds.

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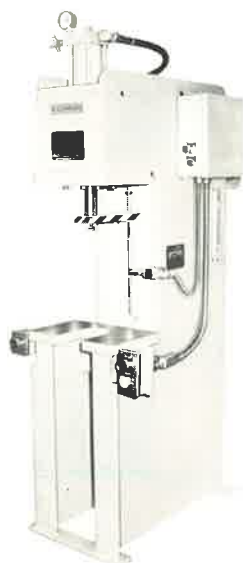
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Bench Model
1, 2 and 3 Tons



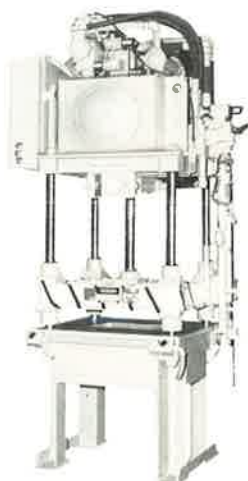
Bench Model
4 to 12 Tons



Economy Presses
8 to 50 Tons



Floor Model
20 to 200 Tons



4-Post
Floor Model
20 to 50 Tons



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