



RMT TOGGLE PRESSES

**Ideal for a
Wide Range of
Punching and
Secondary
Operations**



RMT TOGGLE PRESSES

**Quality construction,
safe operation and
trouble free performance**

**Powerful toggle action
generates force like a
flywheel press... providing
maximum tonnage near
bottom of the stroke**

**Low-cost air operation
reduces maintenance**

**Ten rugged models from
3 ton to 24 ton assures
a press that's right for
your every application**

- punching
- blanking
- die cutting
- marking
- coining
- swaging
- assembly



**6-ton
Model 5B**

Air Operated

Economical air operated RMT presses are powered by double acting "air saver" cylinders providing fast, dependable operation and easy servicing. Pneumatic valves are mounted safely inside the cover to assure clean and quiet operation. There is no motor, clutch or brake to maintain.

Guard Actuated

Guard actuation is fast, automatic and operator friendly with the die space completely surrounded during the ram cycle. Lowering the guard advances the ram, releasing the guard automatically retracts the ram. Guard meets OSHA requirements.

Low Maintenance

Completely pneumatic. With simple controls and only a few moving parts, RMT Presses require minimum maintenance to assure years of reliable performance and high productivity.



**12-ton
Model 12C**

Heavy-Duty Construction

Rugged Frames

Heavy cast iron bodies are built to resist deflection and absorb shock. Close tolerance shafts and bronze bushings assure accurate and consistent stroke depth and long tool life. Working components are mounted within the frame and protected by a durable sound absorbing fiberglass cover that encloses all moving parts.

Powerful Toggle Design

RMT presses are entirely air operated, with the toggle action powered by a unique adjustable stroke air cylinder. Shop line pressure is multiplied to obtain up to 24 tons of ram force. Toggle design facilitates easy adjustment of stroke length, depth and speed to match the operation. Air line mufflers provide quiet operation.

Ram

The ram is guided in adjustable VEE gibs for precise die alignment. High repeat accuracy is provided by positive stops at each end of the stroke. Ample ram adjustment permits fast, accurate final depth settings. Dies are bolted to the ram and the T-slotted bed.

Guard Operation

Safety Guard Activation

When the guard is pulled down the actuation lever rotates into the pilot valve, which in turn shifts the main valve. The cylinder strokes and the ram descends. As the toggle link straightens ram force increases reaching maximum tonnage at the bottom of the stroke. When the guard is released both valves shift back and the ram automatically retracts.

Greater Productivity

One-hand guard actuation greatly increases production as the operator uses his free hand to pick up the next part. By shortening the ram stroke to the minimum for the operation, cycle time and air consumption are reduced.

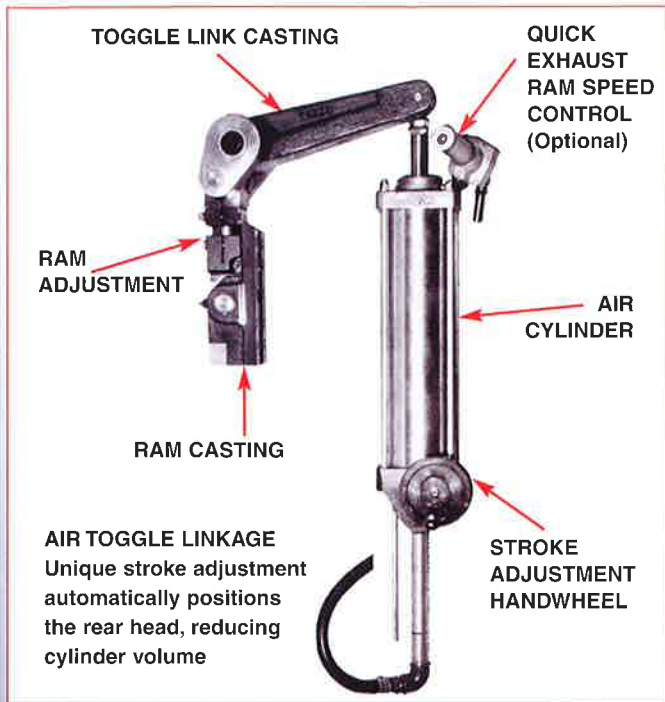
Easy Set-Up

The linkage can be moved and reset by hand by shifting the air valve to "Off" to bleed air from the system. Optional controls are quickly and easily connected to the convenient external ports on the side of the press.



Match the RMT Press to the Job

The RMT press is extremely efficient and economical for almost every punching and secondary operation. There's no wasted motion! By adjusting stroke length, depth, and speed, the RMT is matched exactly to the work. Set-up from one job to the next is quick and easy.



Stroke Length

The ram stroke can be shortened to decrease cycle time, increase production and reduce air consumption. The convenient hand wheel reduces the cylinder volume to reduce the stroke length up to 2-1/2".

Stroke Depth

With ample ram adjustment final depth setting is fast and accurate. Within the easily accessible air toggle mechanism, ram adjustment and die set-up is simplified.

Speed Control

Some operations such as pressing, forming and assembly require a slower downstroke. By adjusting the rate of exhausting air, the release of air and the downstroke is controlled.

Half Body Press for Custom Applications

The half body press combines the powerful RMT air toggle mechanism with a unique frame design providing unlimited shut height for special metalworking applications

Features include adjustable stroke length, ram adjustment and a keyed tool mounting surface on the body

User must supply the valves and controls to operate the built-in 4 inch diameter, double acting cylinder

24-ton Model 24D



RMT HALF-BODY MODEL NUMBER	3AH	6CH	8CH	10CH	12CH
Tonnage at 80 psi	3	8	9	10	12
Stroke - Adjustable	0-2	0-3-1/4	0-2-1/2	0-2	0-1-1/2
Shut Height - Ram to Base	10-1/2	13-3/4	14-1/2	15	15-1/2
Throat Depth - At Base	5-1/4	8-1/4			
Tool Mounting Area	5 x 9	5 x 11			
Keyway - Full Width	1 x 1/4	1 x 1/4			
Overall Height	26	35			
Shipping Weight	240	610			

RMT Toggle Press Specifications

RMT MODEL NUMBER	3A	5B	7B	6C	8C	10C	12C	18D	20D	24D	
Tonnage at 80 psi	3	6	8	8	9	10	12	18	20	24	
Stroke - Adjustable	0-2	0-2	0-1-5/16	0-3-1/4	0-2-1/2	0-2	0-1-1/2	0-2-1/2	0-2	0-1-1/2	
Shut Height - Stroke down/Adjustment up	6	7	7-11/16	6-3/4	7-1/2	8	8-1/2	8-1/2	9	9-1/2	
Ram Adjustment	1/2	3/4			1				5/8		
Throat Depth	5-1/2	6			8-1/2				8-3/4		
Bed Area - Standard	11-3/4 x 7	12 x 8			14 x 9				18 x 12		
Optional Wide bed	N/A	18 x 8			20 x 9				24 x 12		
Ram Area	3 x 2-1/2	5 x 3-3/4			5 x 3-3/4				7 x 4-1/4		
Hole in Ram - Diameter x Depth	1 x 1-1/4	1-9/16 x 2			1-9/16 x 2				1-9/16 x 3		
Opening in Bed	3 x 2	3-1/4 x 3			3-1/2 x 3				4-1/2 x 4		
Bed to Base Distance	4-3/4	5-1/4			7				10-5/8		
Air Cylinder Extension Below Base	0	0			6-1/2				13		
Bench Space	13 x 24	14 x 25			14 x 24				14 x 32		
Overall Height	26	30			35				45		
Shipping Weight	330	400			660				990		
Recommended Air Supply Line - 80 psi	1/2"							3/4"			

Ram Force

Tons at 80 P.S.I.

Ram Distance from Bottom of Stroke	RMT MODEL NUMBER									
	3A	5B	7B	6C	8C	10C	12C	18D	20D	24D
1/64"	4.5	9.3	11.9	11.7	13.6	15.3	17.5	26.0	29.1	33.4
1/32"	3.2	6.6	8.2	8.4	9.7	10.9	12.5	18.6	20.9	23.9
1/16"	2.3	4.6	5.8	5.9	6.8	7.7	8.8	13.1	14.6	16.7
1/8"	1.6	3.2	4.0	4.1	4.8	5.3	6.1	9.1	10.2	11.7
1/4"	1.1	2.2	2.7	2.9	3.3	3.7	4.1	6.3	7.1	8.0
1/2"	0.8	1.5	1.8	2.0	2.3	2.5	2.7	4.3	4.7	5.2
3/4"	0.6	1.2	1.4	1.6	1.8	1.9	2.0	3.4	3.7	3.9
1"	0.5	1.0	1.1	1.3	1.5	1.5	1.6	2.8	3.0	3.0
1-5/16"	0.4	0.8	0.8	1.1	1.2	1.2	1.1	2.3	2.3	2.2
1-3/8"	0.4	0.8	-	1.1	1.1	1.1	1.1	2.2	2.2	2.0
1-1/2"	0.4	0.7	-	1.0	1.0	1.0	0.9	2.0	2.0	1.8
2"	0.3	0.5	-	0.8	0.8	0.7	-	1.5	1.3	-
2-1/2"	-	-	-	0.6	0.6	-	-	1.1	-	-
3-1/4"	-	-	-	0.4	-	-	-	-	-	-

Air Consumption

Cubic Feet for One Stroke at 80 P.S.I.

Stroke Length	RMT MODEL NUMBER									
	3A	5B	7B	6C	8C	10C	12C	18D	20D	24D
1/4"	.09	.20	.26	.26	.30	.33	.38	.54	.61	.71
1/2"	.12	.29	.37	.36	.42	.48	.55	.77	.87	1.02
3/4"	.15	.36	.46	.45	.52	.59	.69	.95	1.08	1.27
1"	.18	.42	.54	.53	.61	.69	.81	1.11	1.26	1.49
1-1/2"	.22	.53	-	.65	.77	.87	1.03	1.39	1.58	1.89
2"	.26	-	-	.76	.90	1.03	-	1.64	1.89	-
2-1/2"	-	-	-	.87	1.03	-	-	1.89	-	-
3-1/4"	-	-	-	1.03	-	-	-	-	-	-

Operating Speed

Strokes Per Minute

Stroke Set At	RMT MODEL NUMBER									
	3A	5B	7B	6C	8C	10C	12C	18D	20D	24D
1/4"	240	240	240	240	240	240	240	120	120	120
1/2"	220	220	220	220	220	220	220	110	110	110
3/4"	200	210	210	200	200	190	190	100	100	100
1"	180	190	190	150	150	135	135	90	90	90
1-1/2"	150	150	150	140	140	125	125	65	65	65