



**RAM PRODUCTS INC.**

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**RAM PROCESS DIE SUPPLIES**

**MOLDUCT TUBING**                    A special woven cotton tubing used in the RAM dies for air passageways. Air, forced through the tubing, causes the release of the pressed piece from the dies.

1/8" molduct tubing	3000 ft. roll	\$288.75/roll
1/8" molduct tubing	750 ft. roll	\$ 86.10/roll
1/4" molduct tubing	400 ft. roll	\$ 58.80/roll
Both sizes sold by the foot		50¢/ft.

**PLASTIC TUBING**                    Used in the RAM dies to connect molduct to molduct, or molduct to air fittings. It is a transparent, vinyl polymer with high tensile strength.

No. 8 plastic tubing	250 ft. roll	\$32.85/roll
[ fits inside 1/8" molduct tubing ]		40¢/ft.
No. 2 plastic tubing	250 ft. roll	\$40.50/roll
[ fits outside 1/8" molduct tubing ]		40¢/ft.

**MOLDUCT CLIPS**                    Used in the RAM dies to connect molduct tubing to reinforcement rods. They are specially stamped, heat treated, rust inhibited spring steel which fits firmly around the molduct tubing and steel rods.

No. 1 molduct clips	approx. 760 clips per lb.	\$37.50/lb.
No. 9L molduct clips	approx. 560 clips per lb.	\$35.60/lb.

**WIRE**                                    Aids in forming air passageways. It can be placed inside molduct tubing to make tubing more rigid, or it can be used as a frame to coil the molduct air system.

19 gauge wire - #19W	5 lb spool	\$23.84/spool
16 gauge wire - #16W12	12 lb. coil	\$34.75/spool
16 gauge wire - #16W100	100 lb coil	\$152.25/coil

MOLDUCT TIES	Used to attach the molduct tubing to wire frame or reinforcing rod. 1000 ties per package		\$14.50 per 1000
PIPE CLEANER	Used to plug ends of airways on molduct tubing lines.  1/8" or 1/4 "pipe cleaner	50 ft. rolls	\$8.50/roll
SPONGES	Natural sponges used in making RAM dies. Longer lasting and more absorbant than synthetic sponges.  7" natural sponge [approx. size]		\$15.15 each
DIE SCRAPERS	Used for scraping plaster backs of RAM dies. Made from special tool steel and precision ground to .003.  24" long 28" long 36" long		\$180.00 \$210.00 \$250.00
MOLD PARTING COMPOUND	Used to seal plaster surfaces. Aids in the release of plaster models from their molds.	Concentrated Mixed	\$5.75 lb. \$14.85/Gal
SHEET WAX	Used in making master molds. Enhances precision of the cut off and simplifies die makers work.  3/64" x 12" x 24" [4 sheets/box] 3/32" x 12" x 24" [3 sheets/box]	\$7.75/sheet \$8.50/sheet	\$24.00/box \$23.25/box
RUBBER MOLD COMPOUND	Used for making rubber impressions. Especially useful for intricate models with minute details. Also used with deep patterns and models. One unit consists of two part compound. [ Two parts A to one part B ]  Unit #1 4 qts. A & 2 qts. B [8 lbs. & 4 lbs.] Unit #2 2 gal. A & 1 gal. B [16 lbs. & 8 lbs. ] Unit #3 10 gal. A & 5 gal. B [ 80 lbs & 40 lbs. ]		\$121.05/unit \$151.60/unit \$623.14/unit

COPPER PINS

Used to register the top die cavity to the bottom cavity.  
Made from machined and heat treated beryllium copper rod.

1/4" x 1"	3/16" x 1"	\$2.20 each
1/4" x 2-1/4"	3/16" x 2-1/4"	\$2.90each
Spacer Block 3/16" or 1/4"		\$7.35 each
Spacer Block & Pin Set 3/16" or 1/4"		\$10.20 each

REINFORCING  
ROD

Used to add strength to large size RAM dies  
3/8" diameter steel reinforcing bars  
[ 20 ft. lengths, weighing 8 lbs. ]

\$4.50/length

DIE PIN  
LUBRICANT

Used in die lube gun to lubricate the rods of the press.

\$18.15/qt.  
\$50.00/gal.

HYDRAULIC OIL

\$8.50/gal

PLASTILINA

#1 Plastilina - 2# Brick

\$17.50 each

CLAY CUTTER

\$210.00

Preformed Clay Cutter Wires	1-99 Pcs	\$1.98 each
	100-499 Pcs	\$1.45 each
Wire Kit - 10 Sets Eye Bolts, Wires, Spring		\$45.90

PLASTERS

All plasters sold in 100 lb. bags.

The following are recommended for use with the RAM dies.

Overseas add \$5.00/bag crating charge

	Split bags-UPS	\$18.00 each
K40 [ working dies ]	1-19 bags	\$38.38 each
	20-39 bags	\$37.38 each
	40 & over	\$35.38 each
K13 [ tooling ]	1-19 bags	\$36.85 each
	20-39 bags	\$35.85 each
	40 & over	\$33.85 each
No. 1 Pottery [ models & tooling ]	1-19 bags	\$21.90each
	20-39 bags	\$20.90 each
	40 & over	\$18.90 each

FINISHING MACHINE SPONGES	Finishing machine replacement sponges  6" OD x 2" ID sold in packages of 10	\$126.50/pkg.
BOLSTER PLATES	Replacement bolster plates for RAM Presses  24" x 26" cast iron 30" x 39" cast iron	POR POR
PRESS PARTS	Most replacement RAM Press parts are available through RAM. Please have the press size, serial number and if possible the part number.	
RAM PRESS OPERATING MANUAL	Detailed operating procedures and drawings for a specific model RAM Press. [Please have serial number of press]	\$85.00
RAM PRESS OPERATION CLASS	One day hands on seminar in the operation of a RAM press utilizing the complete process.	\$850.00
RAM DIE TRAINING	Four day hands on seminar. Learn how to make the RAM Process™ dies at the RAM Products facility in Columbus, Ohio. You will make a die of your choosing. Includes the die training manual and basic supplies. [Please have serial number of press] Non Owner \$4,250.00 (\$1,200.00 credit for buying within 30 days, may not always be available)	\$3,200.00 \$850.00/Day
CONSULTING SERVICES	Consulting on the RAM Process™, engineering services on RAM equipment and consulting on the RAM dies.	\$1,250.00/day plus expenses
SERVICE CALLS	We will come to your facility and service your RAM press. Three hour minimum.	\$145.00/hour plus expenses