CONLEY CASTING SUPPLY CORP.

White Metal Casting Equipment



Equipment and Supplies since 1972

IMPORTANT DATA

CALL TOLL F	REE	(800)	445-790	0
IN RHODE ISL	_AND	(401)	785-950	0
FAX		(401)	781-942	20
E-MAIL	info@conl	evcas	sting.co	m

Please read the following information for answers to frequently asked questions.

When ordering, please specify the product name as well as the item number.

All our products are competitively priced. Due to the constant cost fluctuations of many of our items we have not included a price list. Please call and we will be happy to issue a quotation on any of our products.

We are proud of the service we offer our customers. In addition to offering complete product availability we provide every service a manufacturer might require relative to any of our products.

Shipping will be by best means unless otherwise specified. Once your order leaves our warehouse with the carrier they become responsible for your shipment. We will assist in every way possible to assure prompt delivery and in making claims for loss or damage to your shipment.

RETURNS

All returns must be made within 14 days of receipt. All returns must have a Return Authorization Number. Please call us and we will be happy to assist you. Some items may be subject to a restocking fee.

Items that have been damaged as a result of misuse will not be accepted for return.

TERMS

Open Account—To obtain open account credit we require a bank reference and three credit references with whom you already have open credit terms. Our terms are NET 30 days. We reserve the right to limit credit amounts. Past due accounts will be shipped on a C.O.D. basis only.

Cash—Send a check or money order with your order, but please, do not send cash through the mail. For your convenience we accept Visa and MasterCard. Credit card purchases in excess of \$1000.00 may be subject to an additional charge of 3%.

C.O.D.—If you request that your order be sent C.O.D. by United Parcel Service (UPS) or common carrier you may be charged an additional C.O.D. charge by the carrier. Minimum C.O.D. order is \$10.00.

TAXES

State sales tax for Rhode Island, Massachusetts and Connecticut will be charged where applicable unless you have filed the proper exemption certificate with us. We do not collect sales tax for any other states, it may be necessary for you to pay the taxes directly to those states.

Due to space limitations we were unable to include all our products in this catalog. If you need something but do not see it here, please call our Customer Service Department. We attempt to carry most of the products that you might need for the manufacture of jewelry.

Visit our web site at www.conleycasting.com

E-Mail us at: info@conleycasting.com

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NEW VENTURE CASTING FACTORY

The **CONLEY NEW VENTURE DIGITAL CASTING FACTORY**, is a complete professional production casting system capable of casting lead, tin alloys (pewter), plastics, or wax patterns.

This compact equipment is designed specifically to allow the entrepreneurial jeweller, craftsman, or fishing lure manufacturer to get started in business at home on a limited budget.

It can be easily setup on any table with access to a 115 volt outlet, no special services such as compressed air are required. When not in use it can be stored in a closet.

THE NEW VENTURE CASTING FACTORY INCLUDES THE FOLLOWING EQUIPMENT:

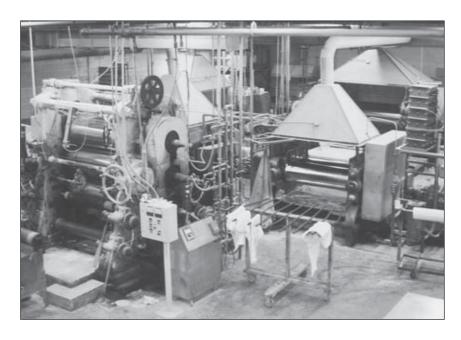
- DIGITAL DC CASTING MACHINE—Capable of casting standard 9" diameter rubber molds. It features a 1/6 HP DC motor, digital RPM meter belt drive, variable speed, heavy gauge steel construction with hinged safety lid, lifting handles, and splash shields.
- MOLD VULCANIZATION PRESSURE UNIT/MOLD FRAME—For vulcanizing a 9" diameter rubber mold.
- VULCANIZING PRESSURE VESSEL HEATING UNIT—The 1100 watt heating unit is constructed of thick aluminum plate and high efficiency insulation on a steel base. The control box, containing a timer and electronic temperature controller, is attached to the base, making a compact, easily transported unit.
- MELTING POT—This melting pot can melt 20 lbs. of lead or 13 lbs. of tin. It contains a built in temperature controller with a heat-up time of approximately 35 minutes. 115 volts.
- THERMAL LEATHER GLOVES—Thermal gloves are essential for removing the hot mold frame from the vulcanizer.
- LEATHER PALM CASTING GLOVES—These gloves have a heavy leather palm to protect hands while casting.
- KNIFE HANDLES AND BLADES BP#25 Blades for #6 handle
- THERMOMETER—200°F-1000°F—This is used to check the temperature of molten metal during casting.
- MS-122 DF—Dry film spray release for your models.
- SLIDE—Silicone mold release for mold frame.
- SMALL LOCK NUTS—Locators for molding.
- LISTO MARKING PEN—This pen is for marking vulcanized molds for identification.
- . BURNISHING TOOL—The burnishing tool is used for



sealing raw rubber during the mold making process.

- 8" DIVIDERS—Dividers are used for scribing lines on the rubber during the mold making process.
- 2" CASTING LADLE—The ladle is for delivering molten metal from the melting pot to the casting machine.
- PRESSURE VESSEL OPENING TOOL—This is used to open the hot pressure vessel.
- CASTING TALC—Casting talc is used for powdering the mold.
- CENTER PLUG—The center plug is used in mold making to form a center sprue gate.
- DEGREE GAUGE—This mm degree gauge is used for measuring the thickness of models.
- 10 Sets of CL-1 9" black rubber mold discs.
- 10 Sets of LT-190 red silicone for models.
- Optional 1 1/2" x 9" Mold Ring—This allows you to make thicker molds to accommodate models up to 1-1/2" thick.

CONLEY'S BLACK RUBBER COMPOUNDS



We manufacture all of our rubber compounds at our facility in Warwick, RI. Our strict controls insure that you receive the highest quality product in the market today.

Our rubber is formulated for low shrinkage, high durability, great peel characteristics, and uniform thickness of the rubber discs.

Our high heat silicone formulas can withstand temperatures to 900°F when pouring molten metal into the rubber molds.



CL-1 Excellent for undercuts & drive where flexibility is needed. 60 durometer All Purpose



Good control for shrinkage Great parting line control 65 durometer Excellent for flat work



C-100 Excellent control over shrinkage Superior tear strength 70 durometer Superior for lead free alloys

Available sizes: 9", 10", 11", 12", 15", 18"

Disc Mold Format 9", 9.5", 11", 12", 13", 15", 18" RingMold™ Format

Custom sizes available on request.

CONLEY'S RUBBER COMPOUNDS

ORGANIC FORMULAS

Our most popular rubber compounds are our organic formulas. These formulas offer good elongation, tear strength, and wear resistance at a reasonable price.

CL-1

This black compound is our most flexible formula. It's elongation qualities make this the leading rubber in the industry for under cuts and piercings, drive and release.

F11

F11 is the best choice when controlled parting lines and surface quality are a priority. This black formula is best suited to flat and insert types of pieces.

C-100

Developed for base molds and lead free alloys, this black formula offers the best in shrinkage control and wear and tear strength with the highest heat transfer.

C-500

This white formula is good for model molds and medallions. It has the lowest shrinkage rate of all our compounds.

SILICONE RUBBERS

Silicone rubbers are used for high heat alloys and plastics. Zinc and leaded alloys can reach temperatures of 700°F to 950°F. Polyester and epoxy resins can also generate high temperatures. The standard silicone rubber set consists of four 5/16" thick discs with Kraft paper on the bottom and plastic on the top.

50D Red Silicone

This is a soft, flexible material used for spin casting wax and plastic patterns. It has also been used to cast pewter figurines.

60D Blue Silicone

This general purpose silicone can be used for lead/tin alloys, zinc, wax, and plastics.

70D Pink Silicone

This high durometer compound, although not as flexible as our other compounds, is great for making thick or thin pieces without distortion.

AVITAR Green Silicone

This 65 durometer material has superior tear strength for casting pewter, plastic, or wax patterns.

HT-300 Grev

With very high temperature tolerance and tear strength this is suitable for zinc where long mold life is required. 60 durometer.

Brown

This inexpensive material is used to back the center of the mold, helping to reduce the overall cost of the mold.

SILICONE RUBBER VULCANIZING PROCEDURE FOR 50D, 60D, 70D, AVITAR, BROWN, AND HT300

300°F-325°F cure schedule

- Preheat the vulcanizer with the frame inserted for 45 minutes.
- Carefully remove the frame with thermal gloves and coat the interior surfaces with a dry lubricant spray or powder before
 inserting rubber.
- Dust rubber with fine talc or separating powder in a properly vented powder box.
- Arrange models and locknuts on the rubber and place in the mold frame with a pair of tweezers. Place the cover on the frame.
- Insert the mold frame into the vulcanizer and immediately bring press to contact both sides of the mold frame. Preheat for 5 minutes.
- Steadily increase clamping pressure for 30 seconds to approximately 3000 psi for a 9" mold or 4000 psi for a 12" mold on a 30 ton hydraulic jack.
- Cure for 60-70 minutes for each 1" of silicone thickness.
- Check vulcanizer temperature before removing the pressure.

CAUTION: If the temperature is in excess of 25° of the normal range turn off the power and allow the vulcanizer to cool to room temperature before opening. Molten metal or rubber may accidentally be released under extreme conditions.

- Remove the mold frame slowly from the press. Remove the top plate from the mold frame and test the rubber in several different locations with a screwdriver to be sure it has properly cured.
- Remove mold from the frame. Open the mold slowly and carefully to avoid tearing the rubber.

CONLEY'S VULCANIZERS & FRAMES

ACCU-MOLD VULCANIZER

Another Exciting Innovation from Conley

The Conley Accu-Mold Vulcanizer has been designed to produce molds of uniform thickness. Obviously a flat mold is more likely to produce castings without distortion than a mold that is wedged shaped or uneven. The heart of the Accu-Mold system is a custom designed large bore ram that insures that the heater plates remain parallel during vulcanizing.

Other features include:

- Energy saving insulation and fast response heaters.
- Electronic controls for time and temperature.
- Mold removal mechanism.
- Optional semi-automatic vulcanization sequencer.
- Virtually eliminates parting line.

WHAT THE MOLD MINDER DOES

The **CONLEY MOLD-MINDER** was designed to operate with the ACCU-MOLD vulcanizer to allow the Mold Maker to produce more consistent molds, time after time, by providing the operator the high degree of control necessary to repeat precisely the conditions most desired during the first critical minutes of the vulcanizing cycle.

The **MOLD MINDER** is used during the first portion of the vulcanization cycle to:

- 1. Raise the mold, with the flip of a switch, to the UP position for warmup.
- 2. Hold the mold in the UP position at a preset low pressure for a preset period of time.
- 3. Sound an audible alarm to signal the operator when to apply high pressure for the balance of the vulcanization cycle.

TECHNICAL FEATURES

- Full 14" solid platens for 9" to 13" mold frames
- Plates 17 1/2" sq. x 1 1/2" thick BLANCHARD Ground Steel
- 1/2" Non Asbestos Insulation provides minimum heat loss to platen
- Solid flat 1200 watt heaters platens provide even heat across platen to frame
- 50 Ton Hydraulic Ram with liquid filled pressure gauge, 3000 psi
- Solid state control, Fuji Digital temperature control range, ±.1% accuracy, light indicators provide ease in reading temperature.
- Digital electronic timer.1 seconds thru 99 HR
- Power requirements 220 volt 2400 watts single phase Shipping weight 650 lbs.

#VULC-ACCU



Patent No. 5,135,041

STANDARD VULCANIZING FRAMES

These steel frames are precision-machined on the inner surface to ensure a tight seal during vulcanization, thereby producing smooth and accurate molds. Ring frame sets consist of 3 detachable parts for convenience in removing rubber mold.

RING MOLD ™ FRAME 9-1/2" x 1" 11" x 1" 13" x 1"

FOR 9" MOLDS			FOR 12" MOLD	FOR 12" MOLDS			
Item No.	Dia.	Ht.	Item No.	Dia.	Ht.		
FRMO9x1	9"	1"	FRM12x1	12"	1"		
FRMO9x1 1/2	9"	1 1/2"	FRM12x1 1/2	12"	1 1/2"		
FRMO9x2	9"	2"	FRM12x2	12"	2"		
FRMO9x3	9"	3"	FRM12x3	12"	3"		

ALUMINUM SPACE PLATES

#SPO9 9" Dia. x 1/2" Th. 9" Dia. x 1/4" Th.

#SP12 12" Dia.x 1/2" Th. 12" Dia.x 1/4" Th.

Patent No. 351,846

9", 12",15", and 18" frames available upon request in heights up to 4".

CONLEY'S RING-MOLD ADVANTAGE

CONLEY 9"/12" DC DIGITAL AIR CAST MACHINE

Our air cast system incorporates a DC drive system and a digital RPM readout. The DC motor delivers a smooth, constant torque linear drive, reducing the vibration in the mold which can inhibit metal flow.

Speed is measured directly off the spinshaft to ensure the accuracy of the mold speed. This reading is displayed on the digital readout which is assembled in a JIC enclosure and mounted on the left rear portion of the steel frame in an easily viewed location.

The air system incorporates a 0-60 PSI regulator and gauge for minute and precise setting. Safety features include an integrated splash guard in the lid and an NANS (No Air No Spin) system. If the machine senses no clamp pressure or the lid is not properly closed it will not spin.

Maintenance on this machine is low and inexpensive. It requires only semi-annual bearing grease and a clean air filter. The tank is removable for easy cleaning and greasing and the air filter is accesible from the left side of th front of the machine.

TECHNICAL FEATURES

- Four finger interlock head assembly that is self-compensating for non-flat molds
- Speed control knob for easy and quick adjustments
- Forward/Reverse switch to rotate head in either direction
- Dual micro switch N.A.N.S. system for safety
- D.C. dynamic brake motor, incorporated within the motor
- 150 P.S.I. maximum input pressure to supply the 0-60 P.S.I. 1 C.F.M. requirement
- Quick exhaust head for easy cover plate removal in high production
- Silicone non-clogging funnel
- Available in 110 volt A.C. or 220 Volt A.C. single phase 10 AMPS
- Dimensions 24 1/2" x 24 1/2" x 50" high
- Net weight 175 lbs.
- · Shipping weight 300 lbs.

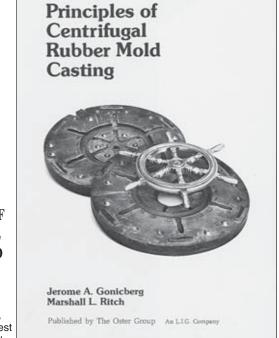
#CASTMACH-9/12DT 9"/12" D.C. Digital #CASTMACH-9/11RM 9/12 D.C. Ringmold

SPONGE PADS (not shown)

These pads are an inexpensive way to produce even pressure on spin cast molds. Black natural sponge. Available in many sizes.

	Diameter	
#PAD-SPO-9	9"	
#PAD-SPO-12	12"	
#PAD-SPO-15	15"	
#PAD-SPO-18	18"	
#PAD-SPO-RM	91/2" / 11"	





PRINCIPLES OF CENTRIFUGAL RUBBER MOLD CASTING

For the basics of mold making and centrifugal casting, this book is the finest publication available.

CONLEY'S 18" DC DIGITAL AIR CAST MACHINE

CONLEY 18" DC DIGITAL AIR CAST MACHINE

Our 18" white metal casting machine has many outstanding features listed below. Repositioning screws make it possible to cast 12" and 15" molds as well as 18" molds.

A large volume air regulator, which provides dependable pressure to the molds, and a filter supply the machine with a full flow of air. Air gauges can be located in a lower mount position or in the control box. A quick exhausting valve makes releasing pressure on the molds easy and fast.

The DC drive system incorporates a large, heavy duty relay that switches DC power from the solid state control board to a 3/4 horsepower motor. The motor is a completely enclosed to guard against dusty conditions.

Speed regulation is controlled by a knob mounted on the control box and a digital meter displays the exact speed at which the mold is spinning in RPMs. The same control is used for dynamic braking, eliminating problems associated with a mechanical brake.

A cast aluminum coverplate locks molds into a six station locking head to eliminate mold parting lines. The locking posts are machined to a high tolerance. Quick return springs, mounted underneath the heavy aluminum construction speed up the release of molds. Head assemblies are made with precision and durability in mind. Four locking levels make is possible to spin molds up to 4" thick. An 8" piston is incorporated in the floating pressure plate to provide even pressure to the entire mold. Combined, these features make this a superior white metal casting machine.

Net weight 300 lbs. shipping weight 400 lbs. #CASTMACH-18DT 15/18" DC Digital



TECHNICAL FEATURES

- Adjustable timer
- Digital Tachometer
- · Large volume air filter and air regulator
- 10 AMP ABC fuse
- Completely enclosed 3/4 horsepower DC motor and belt
- Silicone funnel and adjustable holder

- Cast aluminum, six locking position cover plate
- Forward/Reverse switch to rotate head in either direction
- D.C. dynamic brake
- 8" piston floating pressure plate
- Available in 110 volt AC or 220 Volt AC single phase 10 AMPS

CONLEY 18" FRONT LOAD CASTER & VULCANIZER

CONLEY 18" FRONT LOAD CASTING MACHINE (Not shown)

All features of the 18" front load white metal casting machine are top of the line. Some of the outstanding features include a large volume air system, DC drive, and rigid head construction.

Large volume air regulator and filter supply the machine with a quick flow of air.

The DC drive system incorporates a heavy duty relay. The relay switches DC power from the solid state control board to a 3/4 horsepower motor. The motor is a totally enclosed type which protects against dusty conditions. Speed regulation is controlled by an adjusting knob mounted on the control box. Moreover, a digital R.P.M. meter lets the operator know exactly how fast the mold is spinning and dynamic braking is done by the control. This eliminates the problems of a mechanical brake.

Head assemblies are put together with high precision and durability in mind. Makes spinning up to 4" thick molds possible. Combined, these features make the Conley 18" front load a superior white metal casting machine.

- Adjustable timer
- Digital Tachometer
- Large volume air filter and air regulator (dual option available)
- 12 AMP ABC fuse
- 1 Horsepower DC motor, totally enclosed, and belt
- Silicone funnel
- Forward/Reverse switch to rotate head in either direction
- DC dynamic brake motor, incorporated within the motor
- Available in 110 volt AC or 220 Volt AC single phase 10 AMPS
 Net weight 250 lbs. shipping weight 425 lbs.

"OAOTMACH AST AST S

#CASTMACH-18FL 18" Front Load Machine



LARGE VULCANIZING FRAMES

Precision machined, heavy wall tubing, accurately turned to tight tollerances, to meet our stricked quality control. Cover plates are made from the hardest aluminum alloy #6061 to ensure long life.

IOI	<u>J 10</u>	<u>IOLDO</u>
DIA.		HT.
15" ID	Х	1"
15" ID	Х	1-1/2'
15" ID	Х	2"
15" ID	Х	3"

EOR 15" MOLDS

FOR 1	8" N	10LDS
DIA.		HT.
18" ID	Χ	1"
18" ID	Χ	1-1/2"
18" ID	Χ	2"
18" ID	Х	3"

Patent No. 351,846

CONLEY 18" VULCANIZER

This standard three post design incorporates the great features of our Accu-Mold Vulcanizer. It is constructed of solid ground plates and platens with ceramic insulation. The platen mica heaters are powered by dual solid state controls with digital readouts and fuzzy logic. The heart of the vulcanizer is the 80 ton Accu-Ram with a six inch diameter piston for stability and accurate pressure. A liquid filled gauge measures up to 5000 psi.

TECHNICAL FEATURES

- Solid 2 1/2" thick by 31" x 31" triangular blankard ground steel plates.
- Solid 1/2" x 21" diameter ceramic insulation provides maximum support for heater to platen with a minimal heat loss to support plate.
- Full 15" flat mica heater produces 2000 watts of direct and even heat through vulcanizing platen to the mold frame.
- An 80 ton hydraulic ram independently supports the lower platen. The ram incorporates it's own fluid reservoir, 5000 psi liquid filled pressure gauge, and hand pump.
- The control panel contains dual state-of-the-art CAL digital temperature controls with ±.1% accuracy and read out of process and set valves. Digital electronic timer with 1-99 hour time limits. On/Off and start switch.
- Power requirements are 208-250 VAC, 3000 watts single phase

Shipping weight 1200 #VULC-ACCU-18

WHITE METAL FURNACE, LADELS & MELTING POT

WHITE METAL FURNACE COMPLETE SETUP ON STAND

- · With pilot safety solenoid
- · Electric Partlow control unit
- 110 volt current
- · Cast iron well
- Natural or propane gas: Please specify

#FURN-160 COMP





ELECTRIC MELTING POT

The Waage MP40 soft metal electric melting pot will melt up to 40 lbs. of lead with a temperature range of 175°F-850°F. This unit is great for model metal or small production at a low cost.

#WAAGE-1 MP40 110 Volt #WAAGE-2 MP80 110 Volt

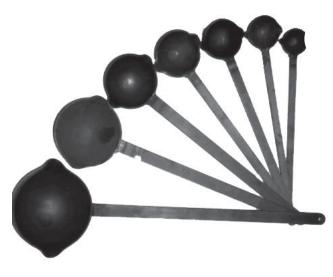
SOFT METAL FURNACES

These soft metal furnaces are gas-fired for melting white metal and other low temperature casting metals. They are equipped with a pilot light and a burner designed to deliver quick and intense heat. They can be adapted for automatic pyrometer controls, have ceramic fiber insulation, and steel jacket construction. They are available in the following sizes:

Model	Inside Height of Furnace	Inside Diameter of Pot	Depth of Pot Inside	Lead Capacity Lbs.	Melting Time Minutes	Maximum Gas per Hr. Cu. Feet
160*	23	9	71/4	160	25	60
250	25	131/2	61/2	250	30	120
500	30	15	11	500	30	180
1000	34	181/2	141/2	1000	45	300

*Most popular

When ordering a Soft Metal Furnace, please specify type of gas used.



WOODEN HANDLE FOR LADLES #2,2 1/2 &3



POURING LADLES

Iron, lead, aluminum, even bronze and beryllium copper pour evenly from a forged stainless steel bowl. Residue that clogs a cast-iron bowl is easily tapped out of the heat retaining stainless steel ladle.

Lead Pouring Ladles are made with drop forged stainless steel bowls. Steel handles are blacksmith welded to the double lipped bowls.

Exceptionally fine workmanship goes into all our ladles. They are heavy duty for a long life.

	Inches Diam.	Inches Depth	Gauge Thickness	HANDLE		CAPACITY	
Item No.	of Bowl	of Bowl	of Material	Length Inches	Size Inches	Lead	Liquid
LDL2	2	1 3/16	10	13	$^{3}/_{16}$ X $^{5}/_{8}$	¹/₃ Gill	1 lb.
LDL21/2	21/2	1 ³ / ₁₆	10	15	³ / ₁₆ X ⁵ / ₈	¹/2 Gill	11/4 lbs.
LDL3	3	13/8	10	15	³ / ₁₆ X ³ / ₄	²/3 Gill	21/4 lbs.
LDL31/2	31/2	11/2	10	15	$^{3}/_{16}$ X $^{3}/_{4}$	1 Gill	3 lbs.
LDL4	4	1 9/16	10	161/2	³ / ₁₆ x 1	1³/4 Gill	41/4 lbs.
LDL5	5	23/16	10	161/2	³ / ₁₆ x 1	3 ¹ /4 Gill	10¹/4 lbs.
LDL6	6	21/2	10	20	¹ / ₄ x 1	11/4 Pint	14 ¹ / ₄ lbs.

MOLDING ACCESSORIES

GLOVES

Thermal gloves are essential for removing hot mold frames from the vulcanizer.

#GLOV-BRWN



Boss gloves have a heavy leather palm to protect hands while casting. #GLOV-BOSS





CASTING PLIERS

6" casting pliers are used to remove the casting from the mold by the gate.







These mold caps are inserted between the two halves of a rubber mold before vulcanization to ensure perfect locking.

#LOCKNUT-S Small #LOCKNUT-L Large #LOCKNUT-XS Very Small

CASTING POWDER

Available in 5, 25, and 50 lb. containers. Please specify size #TALC-X42 Standard #TALC-ITL Fine

SEPARATING POWDER

Available in 5, 25, and 50 lb. containers. Please specify size. #SEP-POWD

Handle #

SAL AMMONIAC

Available in 5, 25, and 50 lb. paper bags. Please specify size. #SAL-AM

MOLD MAKERS SUPPLIES

- 1 Solvent squeeze bottle
- 2 Listo marking leads in black, white, or yellow # PEN-REFILL
- 3 Listo marking pen # PENCIL
- 4 Burnishing Tool # BU 121 1/2
- 5 Compass
- 6 Brushes, bristle, brass, wire (foredom type-see page 9)
- 7 Degree gauge
- 8 B.P. Knive handle with blade
- 9 MS 122 Dry model spray
- 10 Handle chuck key foredom
- 11 Model Spray Blue Layout Spray



BLADES AND ACCESSORIES

Carbon steel, detachable, razor sharp surgical blades used to cut gates and vents in jewelry rubber molds.

BARD PARKER 150 Count Box

#BLA/BP11	#11 (straight)	5
#BLA/BP12	#12 (curved)	5
#BLA/BP25	#25 (lg. straight)	6
Hand 45	#5 Handle	
Hand 46	#6 Handle	

SWANN MORTON 100 Count Box

		Handle #
#BLA/SM11	#11 (straight)	5
#BLA/SM12	#12 (curved)	5
#BLA/SM26	#26 (lg. straight)	6
#BLA/SE	Industrial single edge	



ACCESSORIES

RUBBER INSULATING GROMET FOR COVER PLATE



RUBBER SOLVENT & CLEANERS

- Slide On/Cycle mold cleaner (Made from a citrus based material)
- Stoner Cleaner Degreaser (Made from a citrus based material)
- Rubber Solvent



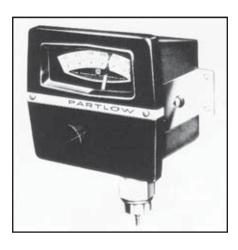
FLOATING POT

This pot is used by inserting it into a larger pot to melt small amounts of metal.



PARTLOW INDICATING TEMPERATURE CONTROL

The Partlow electric indicating temperature control is a limiting control using a mercury expansion principle. It's exclusive features include high sensitivity and an Accu-Vision dial with a 100°F to 1000°F scale. The molded plastic case is rugged, compact, and lightweight. #PLT/CTL MF79 Control Body #PLT/ELEM 910 HKL P110 Element



T-63A CAST IRON WELL

The mercury bulb or thermocouple from the temperature control must be inserted in the well for protection from the corrosive action of certain metal alloys. This protection unit is installed in the furnace pot, the length of the well depends on the depth of the furnace. Our most popular well is 8" long.

#WELL-CI-T63



SILICONE FUNNEL & BRACKET

Durable silicone rubber that ensures smooth metal flow and particle free castings.



DIGITAL TACHOMETER

For accurate RPM of most casting machines.



FOREDOM POWER TOOLS

1/10 HORSEPOWER SERIES CC

Foredom Series CC Power Tool has 1/10 hp universal motor for general use and is available in 110-130 Volt and 220-240 Volt versions. Motor drives a 39" long, .150" diameter flexible shaft with steel liner/silencer spring in the protective sheath. It can be used with any of the motor speed controls shown below. Maximum no load speed is 15,000 RPM. See next page for handpiece selection.



CC Hang-Up Model comes with a motor hanger attached to the motor and with a utility hook for wall mounting. Also available, at additional cost, are MH motor hangers which bolt or clamp to the work bench (see page 17). Motors should be suspended approximately 3' above the work surface. Shipping weight 9 lbs.



DD Bench Model has the same motor as hang-up Model CC. Motor is mounted on cast iron base and swivel yoke and can be used with any of the controls shown below. Bench style units are ideal for work areas where suspending motor is difficult. Shipping weight 13 lbs.



MM Bench Model has the CC Motor mounted on cast iron yoke and swivel base. Electronic manually operated speed control is mounted in base so that no separate control is required. Shipping weight 13 lbs.

ALWAYS WEAR PROPER EYE PROTECTION WHILE USING POWER TOOLS



#2230

Jewelers Kit

CC Motor

#30 Handpiece

FCT Footpedal

#10 Accessory Kit
Shaft Lube, Bur Tray



#2272
General Applications Kit
Series S Motor
#30 Handpiece
FCT Control
Includes S-FCT-30
No. 20 Accessory Kit

You may choose any of these Controls for the machines above.







Grease

SCT
Electronic Foot
Control,
Metal Housing

25

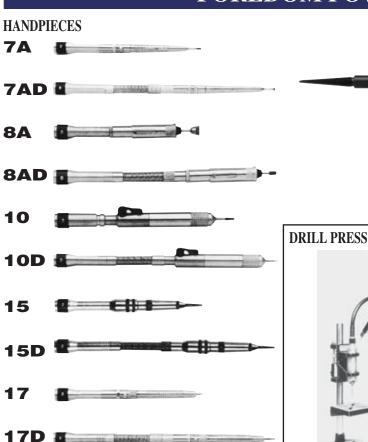
30

35

44T

25C

FOREDOM POWER TOOLS

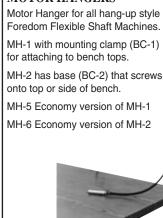


For use with No. 30, 30H, 44A, 44B and 44H handpieces and any Foredom flexible shaft machine. DP-30

BL-1 POLISHING LATHE A powerful variable speed bench in a compact size, suitable for u

A powerful variable speed bench lathe in a compact size, suitable for use at the work bench. Comes complete with a TM-3 and a TM-4 tapered spindle and a WM-4 (right hand) wheel mandrel.

| MOTOR HANGERS



MAINTENANCE SUPPLIES

- MK-1 Maintenance Kit (for Series R, RB, RM, CC, DD and MM Sleeve Bearing)
- MK-2 Maintenance Kit (for Series MMG, GG and EE Sleeve Bearing)
- MK-3 Maintenance Kit (for Series F and other 1/15 HP motors)
- MK-6 Maintenance Kit (for Series S and R Ball Bearing Motors)
- MK-7 Maintenance Kit (for Series EE Ball Bearing Motors)
- 10005 Foredom Motor & Handpiece Oil in Hypodermic Dispenser
- 10010 Foredom Motor & Handpiece Oil (2 oz. container) 10006 Foredom Flexible Shaft Grease (1 oz. container)

Motor Brushes (see Foredom Catalog 243 for part numbers). Per Pair

Shafts (see Foredom Catalog 243 for part numbers)

Sheaths (see Foredom Catalog 243 for part numbers)

Neoprene Sheath (see Foredom Catalog 243 for part numbers)





DUST COLLECTORS

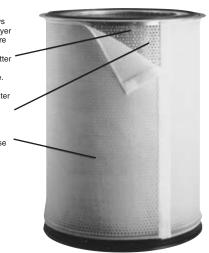
THE TORIT VIBRA SHAKE CARTRIDGE COLLECTOR.



Pleatloc™ rows on the inner layer of media assure uniform pleat spacing for better cleaning and longer filter life.

Galvanized outer liner protects filter media.

Filter screen captures coarse and fibrous particulate.



OPERATIONAL EXPLANATION NORMAL OPERATION

Dust enters through the inlet and first passes through a tight mesh screen on the outside of the filter. The screen catches fibrous dust while fine particles pass through the screen and collect on the outside surfaces of the pleated filter cartridge. Clean air flows up through the center of the filter cartridge into the blower, through the silencer section of the cabinet, and exits through the top clean air outlet.

FILTER CLEANING

VS collectors are intermittent duty-cleaning is done only after the fan is shut off. Filter cartridge cleaning is accomplished by high frequency vibration.

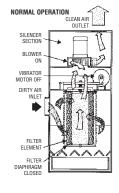


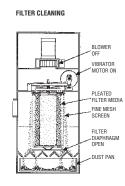












	VS3000	VS2400	VS1500	VS1200	VS550
Volummetric Air Flow					
(C.F.M.)'	1800-3300	1553-2483	1000-1525	700-1243	400-550
Velocity (F.P.M.)	3300-6051	2847-4552	3741-5705	3564-6327	4581-6300
External Static Pressure (W.G.)	8.20-4.40	6.75-2.45	5.95-3.00	7.50-4.80	4.70-4.25
Standard Inlet Dia.	10"	10"	7"	6"	4"
Blower Motor	7.5 h.p.	5 h.p.	5 h.p.	3 h.p.	1 h.p.
Filter Media Area (sq.ft.)	354	270	177	135	65
Dust Drawer Storage (cu.ft.)	3.6	3.6	1.8	1.8	1.8
Dimensions H D W	75 ^{3/16} 33" 51 ^{5/16}	69 ^{3/16} 33" 51 ^{5/16}	68 ^{3/16} 30 ^{3/4} 24 ^{11/16}	62 ^{3/16} 30 ^{3/4} 24 ^{11/16}	52 ^{3/16} 30 ^{3/4} 24 ^{11/16}
Approx. Shipping Wt.	776 lbs.	685 lbs.	385 lbs.	370 lbs.	350 lbs.

OPTIONS AND ACCESSORIES

- HEPA Filter Package
- Inlet collar kits-3" to 10" diameter
- Casters for portable dust drawer models
- Hoppers for high-volume High-load applications
 55 gallon drum pack
 5 gallon pail pack
- 50 cycle version for models 550 to 1500
- Pre-wired starter control for models 550-1500
- Pressure switch for cleaning based on pressure drop



ONE OF THE LARGEST SUPPLIERS OF CASTING SUPPLIES





Conley Casting Supply Corp. is one of the largest distributors of casting equipment and supplies to the jewelry industry. We manufacture custom blends of rubber and wax to meet the individual needs of both large and small manufacturers.