CONLEY CASTING SUPPLY CORP.
Lost Wax Casting Equipment

Equipment and Supplies since 1972
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
<table>
<thead>
<tr>
<th>PRODUCTS</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>APRON, ALUMINUM</td>
<td>9</td>
</tr>
<tr>
<td>BASES, SPRUE, FLAT, DONUT</td>
<td>7</td>
</tr>
<tr>
<td>BELL JARS</td>
<td>8</td>
</tr>
<tr>
<td>BURNOUT OVENS</td>
<td>13</td>
</tr>
<tr>
<td>CASTALDO MOLDING PRODUCTS</td>
<td>3</td>
</tr>
<tr>
<td>CASTING MACHINES, VACUUM</td>
<td>11, 15, 16</td>
</tr>
<tr>
<td>CONTROLS, PROGRAMMABLE DIGITAL</td>
<td>13</td>
</tr>
<tr>
<td>CRUCIBLES</td>
<td>12</td>
</tr>
<tr>
<td>CUTTER JAWS</td>
<td>11</td>
</tr>
<tr>
<td>CYLINDER, GRADUATED</td>
<td>8</td>
</tr>
<tr>
<td>DEWAXING OVEN</td>
<td>10</td>
</tr>
<tr>
<td>DIGITAL RPM METER</td>
<td>11</td>
</tr>
<tr>
<td>DUST COLLECTORS</td>
<td>21</td>
</tr>
<tr>
<td>FLASKS</td>
<td>7</td>
</tr>
<tr>
<td>FOREDOM POWER TOOLS &amp; ACCESSORIES</td>
<td>19, 20</td>
</tr>
<tr>
<td>FRAMES, MOLD, VULCANIZING</td>
<td>6</td>
</tr>
<tr>
<td>FURNACES, SPEEDY MELT MCGLEVAN</td>
<td>11</td>
</tr>
<tr>
<td>GLASS BEAD MACHINES &amp; GLOVES</td>
<td>10</td>
</tr>
<tr>
<td>GLOVES</td>
<td>9</td>
</tr>
<tr>
<td>HYDRO-AIR GUN</td>
<td>10</td>
</tr>
<tr>
<td>INVESTMENT, ICS</td>
<td>14</td>
</tr>
<tr>
<td>INVESTMENT MIXER, HOBART</td>
<td>8</td>
</tr>
<tr>
<td>INVESTMENT SCALE, PAN, SCOOP &amp; TIMER</td>
<td>8</td>
</tr>
<tr>
<td>INVESTMENT VACUUM TABLE SET UP</td>
<td>8</td>
</tr>
<tr>
<td>INVESTMENT REMOVAL SYSTEM</td>
<td>17, 18</td>
</tr>
<tr>
<td>KNIFE HANDLES &amp; BLADES</td>
<td>5</td>
</tr>
<tr>
<td>MAUN CUTTERS</td>
<td>5, 11</td>
</tr>
<tr>
<td>MOLD LOCATORS AND SETTINGS</td>
<td>9</td>
</tr>
<tr>
<td>MOLD RELEASE, DRY &amp; SILICONE</td>
<td>5</td>
</tr>
<tr>
<td>PRECISION WAXER</td>
<td>6</td>
</tr>
<tr>
<td>PROTECTION TUBES</td>
<td>13</td>
</tr>
<tr>
<td>PYROMETER, HAND HELD</td>
<td>11</td>
</tr>
<tr>
<td>RING MOLD WAX CASTING MACHINE</td>
<td>22</td>
</tr>
<tr>
<td>RTV RUBBER PRODUCTS, SCALE, VACUUM</td>
<td>4</td>
</tr>
<tr>
<td>SPRUE CUTTERS</td>
<td>11</td>
</tr>
<tr>
<td>SPRUE FORMER</td>
<td>6</td>
</tr>
<tr>
<td>STIRRING RODS</td>
<td>9, 13</td>
</tr>
<tr>
<td>THERMOCOUPLES</td>
<td>11</td>
</tr>
<tr>
<td>THERMOMETERS</td>
<td>2, 13</td>
</tr>
<tr>
<td>TONGS</td>
<td>9</td>
</tr>
<tr>
<td>VACUUM PRESSURE CASTING MACHINE SCHULTHEISS</td>
<td>15, 16</td>
</tr>
<tr>
<td>VACUUM CASTING SEALS</td>
<td>11</td>
</tr>
<tr>
<td>VULCANIZERS ACCU-MOLD</td>
<td>6</td>
</tr>
<tr>
<td>WAXE, INJECTION FORMULATIONS</td>
<td>1</td>
</tr>
<tr>
<td>WAX INJECTORS, CONLEY &amp; YASUI</td>
<td>2</td>
</tr>
<tr>
<td>WAX STICKS</td>
<td>7</td>
</tr>
<tr>
<td>WETT WASH</td>
<td>7</td>
</tr>
</tbody>
</table>
All waxes formulated by Conley Casting Supply Corp. are compounded from virgin materials in our own facility. Our stringent quality controls guarantee our customers a product consistent in its quality from batch to batch.

We offer nine different waxes for injection that assure superior patterns. All formulations are compatible and pattern materials may be blended for special needs. Our waxes are made in standard colors which may vary slightly with each batch. Custom colors are available in quantities of 300 lbs.

All wax temperatures mentioned in the description of individual waxes are taken directly in the molten material for greatest accuracy. If you use thermometers in a well you will have to compensate for the difference in the internal temperature.

No. 133 Ultra Tuff
Operating pressure of this wax is 3-8 psi at a temperature of 153°F-160°F with a flow that is linear throughout these parameters. A new formula of high tech resins, paraffin, and polymers are blended to bring out their superior qualities. Ultra Tuff is offered in powder blue-green, a solid color that is easy to read. This wax need not be mixed with any other to achieve the optimum characteristics. #2W-133

No. 124 Wax
This is a formulation that was developed as an economical, all purpose wax. In addition to having all the outstanding qualities of our other waxes, it preforms exceptionally well on heavier pieces. #2W-124

No. 126 Ultra Flex
No. 126 is a versatile wax that is excellent for both large and small pieces. It’s flow range is from 152°F -158°F at pressure from 4 to 15 pounds. This blue-green wax is granulated for easy handling and fast melting. It is pliable, has good memory, and can be stored for long periods of time. #2W-126

Alpha Wax
Alpha Wax has tremendous plasticity and memory, and excellent reproduction qualities. It is easily removed from molds so that in most cases no powder is needed. Inject it at 148°F-154°F at pressure from 4 lbs. for heavier pieces up to 15 lbs. for filigree. Dwell time is normal, but should be increased up to ten seconds for heavy patterns. Alpha is our only carvable injection wax. It is available in orange. #2W-ALPHA

Beta Wax
Beta Wax is a standard formulation which flows particularly well and will reproduce even the finest patterns. It is injected at a temperature of 150°F-154°F at normal pressures. It has good detail, but tends to become brittle. In many instances, powder may not be necessary. Beta is available in red. #2W-BETA

Delta Wax
Delta is a good all-around wax that works exceptionally well on heavier pieces. It fills them without “dipping” provided low pressures and adequate dwell time (6-10 seconds) are used. Inject it at temperatures ranging from 148°F to 155°F for very fine filigree. Delta wax has superb reproduction qualities, plasticity, and memory. Most patterns can be made without using powder. The standard color for this wax is a deep red. #2W-DELTA

No. 127 High Pressure
No. 127 is suitable for metal as well as rubber molds. It can be used in high pressure injectors at temperatures from 138°F to 141°F or in a standard wax injector from 145°F to 150°F. This wax is available in blue-green. #2W-127

Everflex
This wax was developed specifically for spin casting wax patterns. It has excellent memory and remains flexible even after being stored for a period of time. The standard temperature is 190°F to 220°F for spin waxing and 150°F to 155°F for injecting. Everflex comes in green. #2W-Everflex-1
YASUI VACUUM WAX INJECTOR AND AUTO CLAMP

Vacuum Wax Injector:
1. Good filling. Vacuuming the mold before injection ensures good filling for fine filigree and difficult designs.
2. Accurate temperature control. Wax tank temperature and nozzle temperature are individually controlled so that an accurate injection temperature is obtained.

Auto Clamp:
1. No fatigue and easy operation. Place a mold on the clamp and press a start button. The work cycle (clamp, deliver mold to the nozzle, receive wax, hold it until wax gets hard, and unclamp) will be done automatically.
2. Flexible Universal Joint (U.S. Patent) enables the sprue of the rubber mold to always be aligned with the nozzle of the wax injector.

Pressure Controller:
1. Eight different pressure levels are memorable. Just choose one of 8 buttons for the input optimum pressure.
2. Quick pressure control raises productivity.
3. Accurately controlled injection pressure assures the constant weight and quality for each wax model.
4. Can be connected to any kind of wax injector.

WAX INJECTORS AND ACCESSORIES

WAAGE WAX MELTING POTS

- Melts wax electrically
- Temperature controlled
- Built to last

WAAGE WAX MELTING POT SPECIFICATIONS:
Approx. Dimensions, Inches

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Capacity</th>
<th>Watts</th>
<th>Dia. Inside</th>
<th>Dia. Outside</th>
<th>Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP1A</td>
<td>1 Pt.</td>
<td>300</td>
<td>3 1/2</td>
<td>3 5/2</td>
<td>100°—550°F</td>
</tr>
<tr>
<td>WP2A</td>
<td>1 Qt.</td>
<td>500</td>
<td>5</td>
<td>3 1/2</td>
<td>7</td>
</tr>
<tr>
<td>WP4A</td>
<td>2 Qt.</td>
<td>600</td>
<td>5 1/2</td>
<td>5 8</td>
<td>6 1/2</td>
</tr>
<tr>
<td>WP8A</td>
<td>1 Gal.</td>
<td>1000</td>
<td>8</td>
<td>5 1/2</td>
<td>9</td>
</tr>
<tr>
<td>WP16A</td>
<td>2 Gal.</td>
<td>2000</td>
<td>10 1/2</td>
<td>6 13</td>
<td>9 1/2</td>
</tr>
<tr>
<td>WP28A</td>
<td>3 1/2 Gal.</td>
<td>3000</td>
<td>10 1/2</td>
<td>10 14</td>
<td>14 1/2</td>
</tr>
<tr>
<td>WP40A</td>
<td>5 Gal.</td>
<td>4500</td>
<td>12</td>
<td>12 16</td>
<td>18</td>
</tr>
</tbody>
</table>

One and two quart models available with hand pump for filling molds without air pressure. Hand pump available for injecting rubber & metal molds.

CONLEY DELUXE WAX INJECTOR

Our deluxe wax injector has an aluminum ceramic-mica heating element, wax drain spigot, and a heated, double insulated nozzle. A liquid filled, highly sensitive thermostat insures consistent, accurate temperature. An optional second nozzle is available. Four quart capacity.

Dimensions: 10 1/2 Dia. x 19” High
120v 50hz/60hz
220v 50hz/60hz
#WAX-INJ-AP

LARGE CLAMP OPTION

AIR PRESSURE CONTROL

A convenient accessory when large and small molds are required. Maximum capacity 5” wide X 6” deep.

THERMOMETER DIAL AND DIGITAL READ OUT

STEM 3” DIAL
#THERMO-06 — 6” — 50-500°F
1 1/2” DIAL
#THERMO-08 — 8” — 0-220°F
#THERMO-18 — 15” — 200-1000°F
DIGITAL THERMOMETERS — 40-450°F
CASTALDO MOLDING PRODUCTS

CASTALDO WHITE & GOLD LABEL

- Castaldo Gold Label is a high flexibility rubber with exceptional tear resistance. It cuts easily and smoothly and gives long lasting molds. Gold Label is excellent for delicate wax patterns. Vulcanizes in 60 minutes at 300°F.

- Castaldo White Label offers good flexibility with less shrinkage than the gold.

- Castaldo No Shrink Pink is a good choice for mold makers who require precise shrinkage. It has a molding temperature range of 290°F-320°F.

- Castaldo Ready Cut Rubber makes mold making quick and easy with no waste. This product helps cut cost while adding productivity that is essential in today's market.

- Castaldo Molding Frames are made with precision as well as ease of workability in mind.

ITEM NO.  GOLD LABEL
RB-MM-GL2-7/8 Strip 2 7/8”
RB-MM-GL6X7X1 1 Ply 6”x7”
RB-MM-GL ROLL 50 Lb. Roll

ITEM NO.  WHITE LABEL
RB-MM-WL2-7/8 Strip 2 7/8”
RB-MM-WL ROLL 50 Lb. Roll

NO SHRINK PINK
RB-MM-NSP-2 7/8
RB-MM-GL READY CUTS SM. & MED.
CASTALDO RTV PRODUCTS
This high grade liquid urethane is ideal for reproducing one of a kind wax, plastic, or clay models. It is offered in one pound or ten pound kits with complete instructions.

Castaldo Liquacast 1 lb. & 10 lb. kits.
Conley Liquid Mold Rubber 1 lb. & 10 lb. kits.

CONLEY CASTING RTV SILICONE
Our liquid silicone is great for the reproductions of wax, plastic, or clay into white metal model form by either gravity feed models or centrifugally in our centrifugal model kit. The RTV is offered in one or two pound kits in a firm flexibility.

We carry good quality scales and vacuum machines for properly weighing and degassing RTV and liquid resins.
MOLDING SUPPLIES

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
Handle #
#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

MOLD SPRAYS
CASTALDO—A light silicone spray used as a release agent for wax gates and patterns.
#MOLDRL-CAS
SLIDE—A heavy silicone spray used in mold frames, on sprue formers, and wax gates.
#MOLDRL-SL
SPRITS—A light silicone spray used on models and in frames and molds to aid in releasing pieces without excess build up.
#MOLDRL-SP
MS-122—A dry release and lubricant used on models for white metal as well as lost wax molding.
#MOLDRL-122
SLIDE ON/CYCLE—A citrus based solvent, mold clear is for cleaning raw rubber.
#MOLDON-CY
STONER—A citrus based cleaner/degreaser used for cleaning raw rubber.
#MOLDCL-A500

BRASS SETTINGS ROUND
#SET-40 Small
#SET-48 Large

ALUMINUM SETTING ROUND
#SET-1749

ALUMINUM SETTING SQUARE
#SET-1168

BRASS SETTING SQUARE
#SET-138

MAUN CUTTER
These Maun Cutters have tough jaws and a return spring in the handle which enable them to cut most size sprues easily. 5 1/2".
#CUT-MAUNFL
Flush Cut
Non Flush Cut
CONLEY DELUXE LOST WAX VULCANIZER
A full size completely controlled upper and lower platen vulcanizer that incorporates all the best engineering features and requires a minimal amount of bench space.

Specifications: Dimensions: 9½" D x 15½" x 20½" H
Platens: 6" x 8½"
115V AC 600 WATTS
50/60 Hz
Shipping Weight 58 lbs.
#VULC-SM-LW

MOLD FRAMES WITH PLATES
These plates fit standard vulcanizers and can make three molds at one time.
Custom sizes available.
Made of machine steel.
#FRM03
3½" x 6" x 1"

ALUMINUM MOLD FRAMES
Single

<table>
<thead>
<tr>
<th>Size No.</th>
<th>Mold Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1 7/8&quot; x 2 7/8&quot; x 3/4&quot;</td>
</tr>
<tr>
<td>3</td>
<td>1 7/8&quot; x 2 7/8&quot; x 1&quot;</td>
</tr>
</tbody>
</table>

CONLEY PRECISION WAXER
This is our finest electric waxing instrument. Mending, sprueing, and/or treeing of patterns can be done with great precision. It is exceptional for assembly of two or more wax pieces into one final pattern. For wax carvers it is ideal for making master patterns of wax. It can also be used by mold makers for spot burning gates into rubber molds. 110 Vac
#WAXER-PREC

SPRUE FORMER
This sprue former assures proper fit on the nozzles of either of our wax injectors. The nozzle former fits a 1/8" welding rod.
#SPRUFORM
**WAX STICKS**

A high quality wax that has a good dwell time for your every sprueing need.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DIAMETER</th>
<th>LENGTH</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>WAX-1/4x24</td>
<td>1/4&quot;</td>
<td>24&quot;</td>
<td>Red</td>
</tr>
<tr>
<td>WAX-3/8x6</td>
<td>3/8&quot;</td>
<td>6&quot;</td>
<td>Red</td>
</tr>
<tr>
<td>WAX-3/8x24</td>
<td>3/8&quot;</td>
<td>24&quot;</td>
<td>Red</td>
</tr>
<tr>
<td>WAX-1/2x5</td>
<td>1/2&quot;</td>
<td>5&quot;</td>
<td>Red</td>
</tr>
<tr>
<td>WAX-1/2x5 1/4</td>
<td>1/2&quot;</td>
<td>5 1/2&quot;</td>
<td>Red</td>
</tr>
<tr>
<td>WAX-1/2x24</td>
<td>1/2&quot;</td>
<td>24&quot;</td>
<td>Red</td>
</tr>
<tr>
<td>WAX-1/2x6</td>
<td>1/2&quot;</td>
<td>6&quot;</td>
<td>Blue</td>
</tr>
<tr>
<td>WAX3/8x6</td>
<td>3/8&quot;</td>
<td>6&quot;</td>
<td>Blue</td>
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</table>

**CASTING FLASKS**

All Flasks are made of T304 12 gauge stainless steel. Also available in T309.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DIAMETER</th>
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</tr>
</thead>
<tbody>
<tr>
<td>FLA3-1/2x5</td>
<td>Flask 3 1/2&quot;</td>
<td>5&quot;</td>
</tr>
<tr>
<td>FLA-3 1/2x7</td>
<td>Flask 3 1/2&quot;</td>
<td>7&quot;</td>
</tr>
<tr>
<td>FLA-4x 3 1/2</td>
<td>Flask 4&quot;</td>
<td>3 1/2&quot;</td>
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<td>FLA-4x4</td>
<td>Flask 4&quot;</td>
<td>4&quot;</td>
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<tr>
<td>FLA-4x5</td>
<td>Flask 4&quot;</td>
<td>5&quot;</td>
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<tr>
<td>FLA-4x6</td>
<td>Flask 4&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>FLA-4x7</td>
<td>Flask 4&quot;</td>
<td>7&quot;</td>
</tr>
<tr>
<td>FLA-4x8</td>
<td>Flask 4&quot;</td>
<td>8&quot;</td>
</tr>
<tr>
<td>FLA-5x4</td>
<td>Flask 5&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>FLA-5X5</td>
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<td>FLA-5x6</td>
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<tr>
<td>FLA-5x7</td>
<td>Flask 5&quot;</td>
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<tr>
<td>FLA-5x8</td>
<td>Flask 5&quot;</td>
<td>8&quot;</td>
</tr>
<tr>
<td>FLA-6x4</td>
<td>Flask 6&quot;</td>
<td>4&quot;</td>
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<tr>
<td>FLA-6x5</td>
<td>Flask 6&quot;</td>
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<td>FLA-6x9</td>
<td>Flask 6&quot;</td>
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<tr>
<td>FLA-6x10</td>
<td>Flask 6&quot;</td>
<td>10&quot;</td>
</tr>
<tr>
<td>FLA-COLH</td>
<td>Flask Collar</td>
<td>4&quot; Diameter</td>
</tr>
</tbody>
</table>

**RUBBER BASES TREE & FLAT BACK**

These durable bases are made to be soft and pliable so they will adapt themselves perfectly to a flask which might be distorted from use. Tree Bases have tapered sprue and Flat Back have large centers for button sprueing.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>TREE BASES</th>
</tr>
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<tbody>
<tr>
<td>3BA-3 1/2</td>
<td>3 1/2&quot; Tree Base with 3/8&quot; Hole</td>
</tr>
<tr>
<td>3BA-4 x 3/8</td>
<td>4&quot; Tree Base with 3/8&quot; Hole</td>
</tr>
<tr>
<td>3BA-4 x 1/2</td>
<td>4&quot; Tree Base with 1/2&quot; Hole</td>
</tr>
<tr>
<td>3BA-5 x 1/2 LC</td>
<td>5&quot; Tree Base with 1/2&quot; Hole Large Cone</td>
</tr>
<tr>
<td>3BA-5 x 1/2 SC</td>
<td>5&quot; Tree Base with 1/2&quot; Hole Small Cone</td>
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</tbody>
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<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>FLAT BACK</th>
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<tbody>
<tr>
<td>3BA-FL4</td>
<td>4&quot; Flat Back</td>
</tr>
<tr>
<td>3BA-FL4/SP</td>
<td>4&quot; Flat Donut Base</td>
</tr>
<tr>
<td>3BA-FL5</td>
<td>5&quot; Flat Back</td>
</tr>
<tr>
<td>3BA-FL6</td>
<td>6&quot; Flat Back</td>
</tr>
</tbody>
</table>

Bases are also available in black hard rubber upon request.

**WETT WASH**

Wett Wash is used to wet the wax pattern before investing to remove small particles and prevent air bubbles from sticking to the wax. #Wett Wash

**VACUUM PUMP OIL**

The oil in vacuum pumps should be changed at regular intervals. Our oils are available in one gallon containers.

#OIL BUSCH  
Busch/Reitschle Oil for new, direct drive pumps

#OIL VAC  
VAC Oil for older, belt driven pumps

#OIL FL  
Flushing Oil

Perforated flasks fabricated upon request.
VACUUM TABLE SETUP
This Retchle vac pump is mounted on a stand with all related piping, vacuum filter, and gauge that supplies 28 CFM of vacuum to the 20" x 16" plastic bell jar. The bell jar rests on a 1/4" pure gum rubber pad on top of a 25" square x 1/2" thick aluminum jiggle plate.

HOBART INVESTMENT MIXERS
- Planetary blade motion covers entire bowl
- Stainless steel bowls
- Easy bowl removal
- Built-in timers on models A120T & A200T
- Beater blade supplied with each machine

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Electric Current</th>
<th>Bench Space</th>
<th>Net Weight</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-120-T</td>
<td>12-quart</td>
<td>110v AC</td>
<td>15 1/2’x18 1/2”</td>
<td>150 lbs.</td>
<td>185 lbs.</td>
</tr>
<tr>
<td>A-200-T</td>
<td>20-quart</td>
<td>110v AC</td>
<td>15 1/2’x19”</td>
<td>175 lbs.</td>
<td>235 lbs.</td>
</tr>
</tbody>
</table>

220 Vac available upon request.

PLASTIC BELL JARS

<table>
<thead>
<tr>
<th>No.</th>
<th>Inside Diameter</th>
<th>Inside Height</th>
<th>Outside Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>BELLJ12</td>
<td>12”</td>
<td>10”</td>
<td>14”</td>
</tr>
<tr>
<td>BELLJ16</td>
<td>16 1/4”</td>
<td>14”</td>
<td>19 1/4”</td>
</tr>
<tr>
<td>BELLJ20</td>
<td>20”</td>
<td>16”</td>
<td>24”</td>
</tr>
</tbody>
</table>

INVESTMENT TABLE, MIXER, SCOOPS & PAN

INVESTMENT SCALE, PAN, SCOOP & TIMER
The HOMS 40 lb. heavy duty scale is for weighing investment batches up to 30 lbs. The pan is sturdy and lightweight and can hold approximately 30 lbs. of investment.

Our investment scoop is made of heavy gauge sheet metal with a handle that makes it easy to remove investment from the barrel.

The Gralab Investment Timer is durable and precise. Constructed of plastic, it has large, easy-to-operate clock hands and switches.

110 Vac grounded plug.

GRADUATED CYLINDERS
Available in sizes: 1000 milliliters, 2000 milliliters, 4000 milliliters

#CYL
QUARTZ STIRRING ROD
#ROD-Q 3/8 12” long x 3/8” dia.

CARBON STIRRING ROD
For stirring gold, silver and other alloys in crucibles while melting.
Non-contaminating.
#ROD-GRY 12” long x 1/2” dia.

FLASK TONGS
The unique end design on these tongs enables them to handle large or small flasks.
#TONG-FL15 15” long

EXTRA LONG FLASK TONGS
#TONG-FL35X4 35” long, 4” throat
#TONG-FL35X5 35” long, 5” throat
#TONG-FL35X6 36” long, 6” throat

SPECIAL CRUCIBLE TONGS
For lifting clay crucibles out of gas fired melting furnaces.
#TONG-CR-SP 48” long, Braced Finger Type
#TONG-CR15 15” Finger Type
#TONG-CR121 21” Finger Type
#TONG-CR25 25” Finger Type

ALUMINIZED HEAT REFLECTIVE GLOVES
#GLOV-ALUM

HEAT GLOVES 18”
#GLOV-18SIM

BROWN THERMAL HEAT GLOVES
Excellent for handling hot molds
#GLOV-BRWN

BOSS LEATHER PALM GLOVES
#GLOV-BOSS

ALUMINUM APRON
This lightweight, heat reflective apron is for protective use during brief exposure to intense heat.
#APRON-AL
HYDRO-AIR GUN
The Hydro-Air Gun uses compressed air and water to remove investment from cast pieces. While its use requires a deep sink or tank, the speed and efficiency with which it works make it an indispensable tool for the professional caster. Air pressure can be varied by placing a regulator valve on the compressed air line. #GUN

GLASS BEADS
A mixture of dissimilar grains for fine micro finish to be used in bead blast cabinet. 50 lb. bags are available in three grades.
#BEAD
Fine #BT13
Medium #BT10
Course #BT8

GLASS BEAD SANDBLAST GLOVES
These rubberized gloves are for use with most bead blast machines.
#GLOV-BLK Black Zero Blast Glove
#GLOV-WHT White Trinco Glove

ELECTRIC DEWAXING OVEN

BEAD BLAST
ZERO BLAST BNP 55 DRY BLAST CABINETS
Zero’s blasting cabinets are crafted of high quality materials and smoothly finished to provide years of efficient service. Zero’s cabinets cut production cost, and bring the latest innovative designs making the work easier, faster and more economical.

The use of glass bead machines to remove investment from castings has had excellent results.
MCENGLISH CRUCIBLE GAS FURNACES
Stationary Crucible Type High Speed Metal Melters
These rugged, highly efficient furnaces are designed for melting such metals as grey iron, brass or aluminum. Melting speeds from a cold start average 45 minutes for grey iron, 18 minutes for brass, and 12 minutes for aluminum. The combustion safeguard systems are industrial type ultra violet systems.

CONLEY ONE PORT CASTING TABLE
• Heavy Gauge 1/4" formed steel construction
• Casting platen 1/2" x 8" x 8" hot rolled steel
• 1 1/4" Piping to a 2" Trap
• Inlet filter contains a high capacity paper filter
• Also available in four ports

CONLEY PYROMETER
This wall mounted digital temperature readout has a hand-held thermocouple and extension lead. 0-2500˚F, accuracy ±.03% of span 115 Volt, .56 L.E.D. display.

THERMOCOUPLE REPLACEMENT TIP 15”
Immersion type for pyrometer #THC-MM15-43

#RB-PAD-SIL5 5" sq. x 1/8"
#RB-PAD-SIL6 6" sq. x 1/8"
#RB-PAD-SIL8 8" sq. x 1/8"
#RB-SHEET-SIL 36" sq. x 1/8"
#325 31/2" Dia. Perforated Flask
#425 4" Dia. Solid Flask
#425 4" Dia. Perforated Flask
#525 5" Dia. Perforated Flask
#625 6" Dia. Solid Flask
#625 6" Dia. Perforated Flask

SILICONE RUBBER SEAL
Replacement silicone rubber pads for casting tables and vacuum chambers.

BENCHMARK SPRUE CUTTER
With Special Cut Jaws
#CUT-P7190/SP

PORTER REPLACEMENT CUTTERHEADS
#0 Cutterhead Special Cut No. CUT-P#0SP
#0 Cutterhead No. CUT-P#0
#1 Cutterhead Special Cut No. CUT-P#1SP
#1 Cutterhead No. CUT-P#1
#3 Cutterhead

MAUN CUTTER
These Maun Cutters have tough jaws and a return spring in the handle which enable them to cut most sprues easily. 5 1/2".
#CUT-MAUNFL
#CUT-MAUN
Flush Cut
Non Flush Cut

CONLEY CASTING SUPPLY CORP.
MACHINE GRAPHITE CRUCIBLES, SHELLS AND COVERS FOR HI FREQUENCY CASTING MACHINES

The crucibles, shells and covers listed below fit most models. Our machine graphite products have a reputation for quality and long life.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Description</th>
<th>Silver Cap</th>
<th>Brass Cap</th>
<th>Gold Cap</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR-HLMG1</td>
<td>G1 Plain Machine Graphite Crucible</td>
<td>20 oz.</td>
<td></td>
<td>25 oz.</td>
</tr>
<tr>
<td>CR-LLG1</td>
<td>G1 Longlife Machine Graphite Crucible</td>
<td></td>
<td>17 oz.</td>
<td></td>
</tr>
<tr>
<td>SHELL G1</td>
<td>G1 Ceramic Shell</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COVER G1</td>
<td>G1 Cover</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CR-HLMG2</td>
<td>G2 Plain Machine Crucible</td>
<td>35 oz.</td>
<td>30 oz.</td>
<td>42 oz.</td>
</tr>
<tr>
<td>CR-LLG2</td>
<td>G2 LL Machine Crucible</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SHELL G2</td>
<td>G2 Ceramic Shell</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COVER G2</td>
<td>G2 Cover</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CR-HLMG3</td>
<td>G3 Plain Machine Crucible</td>
<td>13 oz.</td>
<td>11 oz.</td>
<td>16.5 oz.</td>
</tr>
<tr>
<td>CR-LL G3</td>
<td>G3 LL Machine Crucible</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SHELL G3</td>
<td>G3 Ceramic Shell</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COVER G3</td>
<td>G3 Cover</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CR-LL G7</td>
<td>G7 LL Machine Crucible</td>
<td>60 oz.</td>
<td>50 oz.</td>
<td>72 oz.</td>
</tr>
<tr>
<td>SHELL G7</td>
<td>G7 Shell</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COVER G7</td>
<td>G7 Cover</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Approx. Working Level

Approx. Working Level

Working Level

Crucibles and molds can be custom made to your specifications from your drawings.

GRAPHITE SPECIALTIES

Special shapes are used in casting shops for numerous purposes. Conley’s special shapes can be supplied for almost any application requiring graphite, silicon carbide, aluminum oxide, or magnesia oxide.

- Stirrer bars
- Skimmers
- Metal splitters
- Dipping or sampling ladles
- Handle crucibles
- Teeming crucibles
- Funnels
- Graining boxes
- Pouring troughs
- Safety cups
- Lead burning boxes
- Brazing crucibles
- Bottom pour crucibles
- Self skim crucibles
- Crucible covers

Crucibles and molds can be custom made to your specifications from your drawings.
BURNOUT FURNACES

- Bench Models with Lever Operated Door
- Floor Models with Pulley Operated Door
- Doors Easily Opened
- Heavy Gauge Steel Construction
- Lined with Highest Quality Firebrick
- Ribbed Silicon Carbide Hearth Plate

FUJI FURNACE CONTROL

Our digital controller is an economical upgrade for your lost wax burnout oven. Its features include straight forward on/off controlling, a programmable ramping rate in degrees per minute, and an autotune function. This control comes in a water tight enclosure.

Floor Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall Dimensions</th>
<th>Inside Dimensions</th>
<th>Btu per hour</th>
<th>Weight</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Length Width Height</td>
<td>Length Width Height</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#57-A</td>
<td>36½&quot; 43½&quot; 85&quot;</td>
<td>20&quot; 20&quot; 14&quot;</td>
<td>126,000</td>
<td>825</td>
<td>930</td>
</tr>
<tr>
<td>#57-C</td>
<td>36½&quot; 43½&quot; 85&quot;</td>
<td>20&quot; 20&quot; 20&quot;</td>
<td>126,000</td>
<td>875</td>
<td>980</td>
</tr>
</tbody>
</table>

Note: The overall height of the Floor Model furnaces includes approximately 20" for the pulley operated door. If a lever operated door is used, the overall height will be about 20" less.

* Width of floor models includes 5" for pulley system; all models include 6" for valve assembly.

THERMOCOUPLES AND ACCESSORIES

1. CERAMIC PROTECTION TUBE
   For protection of the oven thermocouple.
   #THC-P11-12

2. THERMOCOUPLE ELEMENT
   12" 14 gauge Type K element.
   #THC-14CA2-12

3. THERMOCOUPLE CONNECTOR
   Used to connect T/C to C/A wire.
   #THC-Connect

4. 36" THERMOCOUPLE Q340A 1090
   For use on gas safety solenoid valves.
   #2E525

5. STAINLESS STEEL PROTECTION TUBE
   Protection for oven thermocouples. (not shown)

6. GAS CONTROL VALVE
   Thermocouple safety solenoid type for burnout oven.
   #Z01135

7. OVEN TIMER 7 DAY SKIP-A-DAY (not shown)
   #201310
ICS PREMIUM

ICS-PREMIUM is a superior investment formulated with high purity Cristobalite and Gypsum. Recommended for GOLD and other NONFERROUS ALLOYS.

Quality & Consistency
Every batch of ICS-PREMIUM is tested for chemical and physical properties to assure consistent quality.

Easy Cleaning in Water Quench
Premium contains a high concentration of high-purity cristobalite. This allows for easy removal when quenched in water and reduces cleaning time.

Smooth Surface Finish
Fine mesh size and surfactants allow the production of an excellent surface finish and fine details such as filigree.

Low Rise Under Vacuum
This investment has a low rise under vacuum.

ICS-400

ICS-400 is a high purity gypsum bonded investment containing non-mineralized cristobalite and special additives. This investment is recommended for jewelry castings in GOLD, SILVER and other NONFERROUS ALLOYS.

ICS-400 offers a superior combination of quality and value in an investment for professional casters.

Smooth Surface Finish
Due to the fine mesh of ICS-400 and through careful formulation the surface finish obtained with ICS-400 is superior and is suitable for fine detail required by jewelry manufacturers.

Low Rise Under Vacuum
ICS-400 contains the same additives used in ICS-PREMIUM to control the rise or boiling action of the investment when placed under vacuum. These additives also improve the wetting of wax patterns and help to eliminate air bubbles.

ICS JEWEL CAST

ICS JEWEL CAST is a new formula that ICS has developed for casting gemstones that have been pre set in the wax patterns.

ICS JEWEL CAST has proprietary additives that help to protect DIAMONDS and other suitable gemstones during the burnout and pouring phase of the casting process.

ICS JEWEL CAST is used for Gold and other nonferrous alloys.

Special care must be taken when casting with Diamonds, the molds should be allowed to cool to room temperature after casting and should not be quenched in water to avoid thermal shock to the preset gems.

Quality & Consistency
Every single batch of ICS JEWEL CAST is tested for chemical and physical properties to assure that the quality is consistent.

Special care must be taken when casting with diamonds preset in the wax.

ICS JEWEL CAST has the same low rise and smooth surface finish obtainable with the ICS-PREMIUM investment.

ICS does not accept any responsibility for lost or damaged stones.

ICS JEWELRY INVESTMENTS DISTRIBUTED BY:
CONLEY CASTING

TEL: (514) 327-6688 FAX: (514) 327-7275 E-mail: ics-casting@msn.ca
Schultheiss. Expertise and experience in casting.
Schultheiss stands for cutting-edge technology and outstanding quality. We develop and manufacture innovative melting and casting systems – from entry-level models to sophisticated high-tech units.

Vacuum and pressure casting units for gold and silver.
Our portfolio ranges from the manually operated VC 35 vacuum casting unit, to products featuring automatic casting cycles, to the VPC 400 computer-controlled vacuum and pressure casting system. We make a total of 14 models, with crucible capacity from 0.5 kg to 6 kg 18 kt. Schultheiss systems accommodate flasks between 75 mm (3") and 200 mm (8") in diameter, and up to 400mm (16") in height (depending on model).

Casting and melting units for platinum.
Specialty casting units from Schultheiss can process between 0.1 and 0.6 kg of platinum per cast. Our vacuum platinum melting units can process up to 10kg.

Rotary burn-out furnaces
We offer a choice of six high-performance models with capacity for up to 72 flasks.
State-of-the-art technology and second-to-none quality for melting, casting and burnout – contact us today for more information.
Melting and casting:
Precision at the touch of a button.
Conley Casting’s
INVESTMENT REMOVAL SYSTEMS

Introducing a major new invention developed for the lost wax casting industry.

Our patented Investment Removal System 250 is designed to remove investment from gold, silver, and brass treed castings. It works quickly and efficiently without messy high temperature quenching and high pressure water washing.

FEATURES:
• Castings and flask free of investment in less than 1 minute without high pressure washing!!
• Cuts investment removal labor costs by 300%.
• Safe, clean and easy to operate (no special training required).
• Fast operation—investment cleaned without water in less than 1 minute.
• Eliminates the need for costly waste water treatment systems.
• Auto-Clean fine particle dust control system.
• Environment and workplace friendly.
Conley Casting Supply Corp. is pleased to announce the successful development of our patented Investment Removal System 250. This equipment has been designed to efficiently and quickly remove the investment from Gold, Silver and Brass treed castings without resorting to the messy high temperature quenching and high pressure water washing techniques that the industry normally employs.

The procedure for investment removal is two step:

1. The cast flask is placed on parallel rollers at the left station of the IRS-250. The operator activates a switch which lowers the dual hammer system to contact the flask. A push button is then depressed which causes the flask to rotate and also applies energy to the high frequency hammer system. This operation fractures the investment freeing the investment laden "tree" from the flask.

   Elapsed time step 1 = 20 seconds.

2. The tree still laden with investment is removed from the flask and moved to the second station to the right side of the IRS-250. The "tree" is placed on the spring loaded reaction anvil "Button up" and the right hand hammer system lowered to contact the "Bottom" thus holding the "tree". A second button is depressed which applies energy to the hammer system. This hammer system vibrates the "tree" at high frequency which causes the remaining investment to disintegrate and fall from the "tree".

   Elapsed time step 2 - 30 seconds.

   Total time step 1 and 2 less than 1 minute.

Important Features

1. Operator can control energy going to hammer system so that thin sprues will not break from trees.

2. Operator has access to machine at all times with the unique pass-thru curtain. This allows operator to straighten tree, sweep investment into chute, or to remove empty flask while the machine is removing tree from flask or investment from the tree.

3. The unit is compact and can be easily moved to a location best suited for your operation.

4. The DC-300 Dust Collector is a valuable optional piece of equipment designed to prevent investment particles from entering the work environment. The DC-300 is an auto-clean cartridge type system with easy to remove dust collection tray. 300 CFM capacity.

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>IRS-250 Investment Removal System</th>
<th>DC-300 Dust Collector</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong>: 24&quot;W x 30&quot;D x 60&quot;H</td>
<td><strong>Dimensions</strong>: 41&quot;W x 24&quot;D x 54&quot;H</td>
</tr>
<tr>
<td><strong>Electrical Requirements</strong>: 110V - 2 AMP, 50/60 Cycle</td>
<td><strong>Electrical Requirements</strong>: 1 HP, 115V, 50/60 Cycle</td>
</tr>
<tr>
<td><strong>Compressed Air</strong>: 6 CFM @ 90 psi [Intermittent]</td>
<td><strong>1PH, 15A Service</strong></td>
</tr>
<tr>
<td><strong>Flask Size</strong>: 3 1/2&quot; Dia. Min to 6&quot; Dia. Max x 5 9/16&quot; High Solid or Perforated</td>
<td><strong>Compressed Air</strong>: 2 CFM @ 100 psi [Intermittent]</td>
</tr>
<tr>
<td>Optional additional sizes available.</td>
<td><strong>Filter Size</strong>: 10&quot; Dia. x 23&quot;L Cartridge</td>
</tr>
<tr>
<td><strong>Acoustical</strong>: Insulated to reduce sound.</td>
<td><strong>Controls</strong>: Power Switch Manual/Auto Clean Adjustable Timer</td>
</tr>
<tr>
<td><strong>Controls</strong>: Power Switch, Pneumatic switches &amp; Flow Control Valves</td>
<td></td>
</tr>
</tbody>
</table>
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
Grease

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

CFL-15
Foot Control

FCT
Electronic Foot Control, Heavy Duty Plastic Housing

SCT
Electronic Foot Control, Metal Housing
HANDPIECES

7A

7AD

8A

8AD

10

10D

15

15D

17

17D

25

25C

30

35

44T

BL-1 POLISHING LATHE
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.

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

DP-30

MOTOR HANGERS
Motor Hanger for all hang-up style
Foredom Flexible Shaft Machines.
MH-1 with mounting clamp (BC-1) for attaching to bench tops.
MH-2 has base (BC-2) that screws onto top or side of bench.
MH-5 Economy version of MH-1
MH-6 Economy version of MH-2

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 F and other 1/15 HP 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)

Handpiece Grip, Tray, Chuck Key Handle

G-30 or G-44 Handpiece Grips

Chuck Key Handle CKH-1
for Nos. 30, 25C, 30H handpiece users. Comes with #0 chuck key in handle.

AT-1 Handpiece/Accessory Tray
Holds handpiece, mounted points, chuck key and other easy to misplace items.

Model 350 Air Turbine
350,000 RPM
Ultra High Speed Grinder
Ultra high speed air operated grinder for extremely rapid and precise material removal.
THE TORIT VIBRA SHAKE CARTRIDGE COLLECTOR.

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.

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

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>VS3000</td>
<td>1800-3300</td>
<td>3300-6051</td>
<td>8.20-4.40</td>
<td>10”</td>
<td>7.5 h.p.</td>
<td>354</td>
<td>3.6</td>
<td>755/16</td>
<td>776 lbs.</td>
</tr>
<tr>
<td>VS2400</td>
<td>1553-2483</td>
<td>2847-4552</td>
<td>6.75-2.45</td>
<td>10”</td>
<td>5 h.p.</td>
<td>270</td>
<td>3.6</td>
<td>33”</td>
<td>685 lbs.</td>
</tr>
<tr>
<td>VS1500</td>
<td>1000-1525</td>
<td>3741-5705</td>
<td>5.95-3.00</td>
<td>7”</td>
<td>5 h.p.</td>
<td>177</td>
<td>1.8</td>
<td>30”</td>
<td>385 lbs.</td>
</tr>
<tr>
<td>VS1200</td>
<td>700-1243</td>
<td>3564-6327</td>
<td>7.50-4.80</td>
<td>6”</td>
<td>3 h.p.</td>
<td>135</td>
<td>1.8</td>
<td>30”</td>
<td>370 lbs.</td>
</tr>
<tr>
<td>VS550</td>
<td>400-550</td>
<td>4581-6300</td>
<td>4.70-4.25</td>
<td>4”</td>
<td>1 h.p.</td>
<td>65</td>
<td>1.8</td>
<td>24”</td>
<td>350 lbs.</td>
</tr>
</tbody>
</table>
Spin Casting Wax Patterns has never been faster or more economical! — Conley’s PATENTED SYSTEM is revolutionalizing production.

- Spin Cast — Rings, Charms, Pendants, Earrings
- Casts 1, 2, or 3 molds at the same time
- Mix and match different items in the same mold
- Cast up to 10,000 waxes per day
- Cast your own standardized molds (size must be uniform)

Conley Casting Supply’s Ring-Mold™ Casting System embodies many significant technological improvements that promise to change the rubber mold casting industry forever.

The innovations provided by Conley’s new system can triple a machine’s output while at the same time improving yield.

Improved casting quality makes more efficient use of time and labor.

The Productivity Advantage:
- The Conley Ring-Mold™ System spincasts three molds in the same time it takes a conventional machine to cast one. (Even higher rates are possible)
- The operator need only place three Ring-Molds™ in the machine, close the cover and pour once. One or two Ring-Molds™ per spin add to its versatility.
- No shims, speed adjustments, or pressure changes are necessary (in most instances).
- Ring-Mold™ flexibility enhances cast part removal, saving time.
- Uniform gate size offers ease of inspection.
- The closer tolerance of Conley’s Ring-Mold™ rubber ensures faster, more consistent moldmaking.
- In most instances a wide variety of parts, both in terms of size and shape, can be cast simultaneously. Long and short runs can be mixed together at the same machine easing production control and scheduling problems.
- Special Ring-Mold™ vulcanizing frames and precut Ring-Mold™ rubber are available in many sizes and grades enable you to select just the right mold size and material for the job.

The Quality Advantage:
- Greatly reduced clamping pressure means less part distortion, less shifting, and better mold filling. (Near 100%)
- Reduced RPM (Spin Speed) and uniform rubber thickness virtually eliminates flash. No shims.
- Integral dross control system produces cleaner castings and a better finish.
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.