



"EZ-CAST" VACUUM CASTING SYSTEM

Premium quality vacuum-assist casting system. Multi-faceted, 3 operations in one unit. **1)** Cast perforated flasks (up to 5" dia. x 7"H in size) under vacuum.

2) Cast regular flasks (up to 5" dia. x 7"H in size) under vacuum. Steel adapter rings and silicon seals are included to cast smaller perforated and regular flasks.

3) Invest perforated and regular flasks under vacuum inside a large 9"W x 8"H bell jar. The unit is powerful, with a vacuum pump capable of quickly creating a negative mercury pressure equal to 27"-29" at sea level. Air and gases are pulled from the mold and molten metal flows quickly into every opening assuring full, complete dense castings. When investing, the vacuum pressure causes bubbling and removes air from the investment for denser flasks and better castings. Included with casting-investment machine are: Bell jar (9" dia. x 8 1/2"H). Perforated flasks (3 3/8" x 4") with sprue base and rubber sleeves. Flask tongs. 6 oz. ceramic crucible with handle. Steel adapter rings for 3 3/8", 4" & 5" perforated flasks. Silicon seals for 3 3/8", 4" & 5" perforated flasks. Silicon pad for standard flasks. 1 quart vacuum pump oil. Rubber pad for investment table. 1/4 hp vacuum pump motor. 65 liters/minute vacuum pump.

Specs: 1/4 hp vacuum pump motor, 65 liters/minute vacuum pump, 120 volts. 23"W x 14"D x 15"H. Easy access to pump and components for maintenance. UL approved. One-year warranty. Replacement parts are available upon request.

PE192.10 \$775.00



PERFORATED FLASKS

Heavy-gauge perforated stainless steel flasks. Withstand thermal shock and corrosion. For use in vacuum casting machines. Designed to provide complete air withdrawal during casting which results in denser castings.

Dia.	Height	Price	Item No.
3 3/8"	4"	\$30.50	CI041
4"	4"	\$31.50	CI034
4"	6"	\$38.50	CI036
4"	8 1/2"	\$45.50	CI038



FLASK SLEEVES

Reusable, flexible rubber sleeves slide on the outside of the perforated flask while pouring investment. After the investment has set, the sleeve may be removed.

Dia.	Height	Price	Item No.
3 3/8"	4"	\$7.25	CI064
4"	8"	\$10.50	CI067



Kerr® SATIN CAST-20

For casting silver, gold, bronze and other metals that melt at less than 2,000°F (1,093°C).

Formulated to blend to a smooth consistency, have a high composite strength, break away cleanly from metal castings, leave a satin smooth finish that greatly reduces finishing time.

CW180A	33 lb. Carton	\$31.85
CW180	100 lb. Drum	\$82.50



SPRUE BASES

Long lasting rubber bases for spruing all types of wax trees. Different diameters for each flask with different sprue bases for each sprue system. Flexible to fit flasks and provide a leak-proof seal.



UNIVERSAL SPRUE BASE

One size fits 2 1/2", 3" and 3 1/2" diameter flasks.

21.780 \$2.70

TREE STYLE (C) SPRUE BASE

3/8" diameter button for single sprue rod ("trunk"). Smaller wax model "tree" off of center sprue.

Dia.	Price	Item No.
3"	\$2.85	21.827
3 1/2"	\$3.25	21.828
4"	\$3.50	21.829

* 3 1/2" dia. sprue bases fit 3 3/8" dia. perforated flasks.



BUTTON STYLE (A) SPRUE BASES

Fill center cup with wax or clay to form the base for the sprue (or sprues). Use with larger wax models.

Dia.	Price	Item No.
3"	\$2.75	21.782
3 1/2"	\$3.10	21.783
4"	\$4.10	21.784



REGULAR FLASKS

Durable stainless steel flasks. Corrosion resistant. Withstand thermal shock during quenching.

All surfaces of flask have smooth edges and finish for optimal sealing.

Dia.	Height	Price	Item No.
3"	3"	\$9.40	21.694
3"	4"	\$10.75	21.695
4"	4"	\$14.95	21.69901
4"	5"	\$16.20	21.701



FLASK TONG

For lifting flasks into and out of the burn-out furnace. Has 2 sets of indentations, the front set for small flasks, the back set for large flasks. 15" length.

57.068 \$5.15



PRO-CRAFT

INVESTMENT SCALE & SCOOP

Accurate scale weighs in 2 oz. increments. Easy-to-read red and black numerals on 4" dial indicate weight, as well as water/investment ratios. 10 lb. capacity. Includes scoop.

21.773 \$20.90



RUBBER MIXING BOWL

Flexible rubber bowl for mixing investment. 5 3/4" dia. x 6 1/4" height. 1.5 quart capacity.

21.763 \$7.25



SATELLITE BURN-OUT/ENAMELING FURNACES

Quality controlled, basic, reliable, electric furnace that is easy-to-use and easy to maintain. Heavy-duty galvanized steel outer cabinet protected with a double coating of gray hammertone paint. The inner chamber is lined with 2½" thick firebrick. Kanthal heating elements are secured in grooves inside the chamber and are easily replaced if needed. Features an infinite control switch, thermocouple and pyrometer. Maximum operating temperature of 2,000°F. Can reach 500°F in 15 minutes and 1,100°F in 45 minutes. Includes front-loading, side-opening door, top venting hole for moisture and wax escape. 110 volts.

Model	Inside Dimensions	Price
CI097	8½" x 9" x 6¼"	\$769.00

Model	Inside Dimensions	Price
CI092	12" x 12" x 8½"	\$901.00



Furnaces can be used for enameling and heat treating.

PARAGON ELECTRIC KILN

Use for enameling, PMC clay firing, glass fusing and slumping. Excellent construction and multi-layered insulation. Outer steel cabinet remains cool due to a layer of air between the outer and inner steel case. The heating element is fully embedded inside the ceramic fiber firing chamber. Heat comes from the side, top and bottom. Reaches temperature rapidly and/or slowly. Holds temperature indefinitely, cools slowly. Electronic controller is easy to master. Brightly lit display. Set firing speed, temperature needed for fusing, and hold time (can be set to shut-off or maintain hold time). Once start key is pressed everything is automatic. Kiln comes with shelf and instructions. 110 volts.

Model	Inside Dimensions	Price
SC2	8"W x 7¼"D x 5⅝"H	\$675.00



PRO-CRAFT[®] MELTING DISH WITH HANDLE



Fused clay-bonded silica dish is suitable for melting silver, gold, bronze and platinum. Wooden handle resists heat and is removable when changing dish.

22.791	Dish with Handle	\$19.70
22.793	Dish only	\$14.00
22.798	Handle only	\$7.00

SATURN MELTER

Melts silver and gold quickly and easily. Insulated lid holds in heat. Keeps out oxygen for cleaner metal melt. 30 ounce (1 kilogram) capacity. Designed for hand held pouring directly from the crucible.

Advanced electronic pre-set melting temperature (to 2,050°F). Maintains melting temperature without overheating. Built-in pyrometer. Warning alarm.

Unit is complete with crucible, graphite stirring rod, pouring tong and instructions.

110 volts. Made in Italy.

TX1600 \$705.00

Replacement Crucible

TX1600R \$34.00



PEPETOOLS[®] COMBINATION INGOT MOLD

2-in-1 ingot mold. Pour alloy metal or recycle scrap metal into sheet or wire. Makes flat stock (adjustable 0 – 46mm W x 76mm H x 4mm Thick).

Reverse both sides for round wire stock (3mm, 4mm, 5mm, 6mm). Made from high quality tool steel — machined and precision bored. C-clamp with handle secures halves together. Made in Europe.

PE149.00 \$28.75



INGOT MOLD FOR WIRE



Steel ingot mold for pouring alloy or scrap into long ingots for wire. Makes sizes: 19 x 8 x 170mm, 9 x 9 x 170mm, 7 x 8 x 170mm,

TX1605 \$9.25

ULTRALITE KILN

Small beehive-style kiln is used by jewelers for enameling, granulating, fusing and soldering. A perfect, small chamber for delicate techniques requiring high heat. 3" diameter ceramic-embedded and recessed element reaches a temperature of 1,500°F (with kiln lid covering chamber – temperature of 1,600°F can be reached).

5½"W x 5½"D x 6½"H.

Mounted on stainless steel stilts.

110 volts. Made in USA.

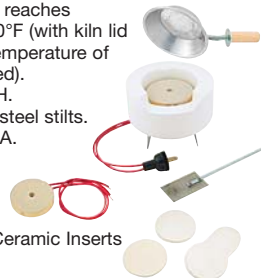
TX1610 \$167.00

Replacement Element

TX1610R \$37.00

PMC Firing & Drying Ceramic Inserts

TX1610C \$21.00



CUTTLEFISH BONE

For casting small objects. Press metal model directly between 2 pieces of cuttlefish. Soft shell is indented to form a smooth mold. Sprues, gates and vents are cut. The 2 halves are placed together, held together with binding wire and molten metal is poured in cavity. 6 pieces per package.

22.930 \$19.75



PRO-CRAFT[®] SAND CASTING SET

Set contains all necessary tools and supplies to cast small sculpture in sand. 5 lb. fine grain casting sand, parting powder, crucible, crucible tongs, borax, asbestos-free pad, casting flask (fills vertically or horizontally) measuring 4¼"H x 3"W x 2"D and bronze casting metal.

22.949 Sand Casting Set \$76.00

22.952 Replacement Casting Flask \$31.25

22.957 5 lb. Sand \$16.40



AIR BE MODEL VD-102 VULCANIZER

Heavy-duty cast aluminum frame construction. $\frac{7}{8}$ " thick, non-warping aluminum heating platens. Large turning handle and sturdy 1" diameter pressure screw. Platen alignment is by 2 large diameter guide bars. The base encloses the controls. Dial thermostat accurately controls platen temperature up to 500°F. On/off switch. Power and thermostat pilot lights. Specs: 15"W x 8"D x 18"H. Platens: 8" x 5". Max. temperature: 500°F. Max. opening: 3". 110 volts.

VD102 \$325.00



7-in-1 THREE-PART MOLD FRAME

Consists of 3 aluminum mold frames (mold size - $1\frac{1}{8}$ " x $2\frac{5}{8}$ ") that can be used alone or quickly assembled (screwed) together to form 7 mold frames with thicknesses of $\frac{1}{2}$ ", $\frac{3}{8}$ ", $\frac{3}{4}$ ", $1\frac{1}{8}$ ", $1\frac{3}{8}$ " and $1\frac{1}{2}$ ". Redit-cut pieces same size as 7-in-1 mold frame.

CM436 \$33.50



castaldo® REDI-CUT WHITE LABEL

Firm and flexible. Good all-purpose mold rubber suited for thin molds. Rubber is $\frac{1}{8}$ " thick and vulcanizes at 310°F. 15 minutes for each $\frac{1}{4}$ " of mold frame thickness. 5 lb. box.

22.585 $1\frac{1}{8}$ " x $2\frac{7}{8}$ " \$42.50



castaldo® REDI-CUT GOLD LABEL

Soft, natural, pliable rubber. Ideal working characteristics for difficult molds containing undercuts, filigree and settings. Rubber is $\frac{1}{8}$ " thick and vulcanizes at 310°F. 15 minutes for each $\frac{1}{4}$ " of mold frame thickness. 5 lb. box.

22.586 $1\frac{1}{8}$ " x $2\frac{7}{8}$ " \$43.50



castaldo® REDI-CUT NO-SHRINK PINK

Minimal shrinkage of less than 1%. High adherence for detail and excellent memory. May be used alone or as a core; sandwiched between outside pieces of Gold Label® or White Label® to save money. 5 lb. box.

22.587 $1\frac{1}{8}$ " x $2\frac{7}{8}$ " \$52.50



castaldo® MOLD LOCK FORMERS

Stamped, tapered brass pieces replace cutting locks in rubber molds. Place on corners of rubber mold before vulcanizing in powder separation, mold making technique. After mold is cut, locks prevent mold from moving during wax injection. 3 oz. package contains approximately 155 pieces.

22.598 \$7.75



SPRUE FORMER

Attach to the model in the mold frame when packing a rubber mold. Assures rubber mold will fit on nozzle of wax injector.

22.580 \$1.50



MOLD FRAME PLATES

Rigid aluminum plates placed over top and bottom of mold frame when vulcanizing. Prevents the uncured rubber from sticking to the platens. Sold in sets of 2.

22.0887 $2\frac{1}{2}$ " x $3\frac{1}{2}$ " x $\frac{1}{8}$ " \$6.00



MOLD RELEASE SPRAYS

Before wax injection, spray a small amount of non-stick silicone base release spray on both halves of rubber mold. Spray helps release wax pattern from mold after it has solidified. Non-flammable, with no CFC's or VOC's.

Castaldo® 20 oz. Container

22.640 \$11.75

Sprits® 20 oz. Container

CR821 \$10.50



DIAL THERMOMETER

Reads in both Centigrade (10°-200°) and Fahrenheit (50°-400°). Use to accurately measure the temperature of wax or to calibrate vulcanizers. 2" diameter, 8" length.

22.01455 \$26.50



BARD PARKER #5 PLASTIC KNIFE HANDLE

Contoured to fit hand.

Holds blade securely.

TX1615 5" length \$14.50



STAINLESS STEEL KNIFE HANDLE

Smooth, durable handle

holds blade securely.

39.256 5" length \$4.25



Swann-Morton® SCALPEL BLADES

Extremely sharp. Made of finest quality surgical steel. Use to cut open rubber molds. Made in England. Sold in box of 100.

CM900 Blade #11 (100/Box) \$17.25

CM901 Blade #12 (100/Box) \$17.25



ferris SEE-THROUGH MOLD COMPOUND

Excellent for making an original mold of an original article. Ideal for delicate models of wax, wood or plastic that cannot stand heat or pressure. Cures at 350°F. Mold compound is fully transparent, making it easy to see the model when cutting the mold apart. Wax is injected into the mold which can be used many times. One quart makes 10-14 molds.

22.605 1 Quart \$20.25



ferris SEE-THROUGH MOLD FRAME

Use with See-Through Mold Compound. Aluminum U-shaped frame with sprue former base, 2 glass panels and 2 spring clamps. Measures 2"W x 3"H x 1" Thick.

22.627 \$25.75



SPRUE BURNING MANDREL

Heat tip with torch to burn sprue opening into rubber mold. Eliminates the use of a sprue former when packing a mold.

21.0836 \$3.75

