

ROMANOFF

INTERNATIONAL SUPPLY CORPORATION

Since 1949

ROMANOFF






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- ✓ OVER 10 YEARS EXPERIENCE
- ✓ BI-LINGUAL TECHNICIANS
- ✓ LARGE INVENTORY
- ✓ IMMEDIATE SUPPORT
- ✓ INTERACTIVE SKYPE ACCESS
- ✓ NATION WIDE TECHNICIANS



			
	3Z MAX 78-8700-SYS	3Z PRO 78-8600-SYS	3Z STUDIO 78-9100
EASE OF USE			
FULLY AUTOMATED	Plug and print Automatic Job set-up		
ACCESSIBLE	Icon-based user interface Files, job start - up and job status can be managed and viewed remotely from PC		
HIGH PRECISION RESULTS			
RESOLUTION	5000 x 5000 dpi (197 x 197 dots/mm) in X, Y 8000 dpi (158 dots/mm) in Z		
ACCURACY	±0.0010 inch/inch (±25.4µ/25.4mm) along each axis X, Y and Z		
LAYER THICKNESS RANGE	25.4µm to 76.2µm	6.35µm to 76.2µm	6.35µm to 25.4µm
SURFACE FINISH	32-63 micro-inches (RMS)		
OFFICE ENVIRONMENT			
DESKTOP SIZE	21.4" W X 18"D X 16" H (558 X 495 X 419 mm)		
WEIGHT	75 lbs. weight (34 kg)		
BUILD ENVELOPE	6"x6"x4"(152.4X152.4X101.6mm)X,Y,Z Consistent Results over entire 6" x 6" area	6"x6"x2"(152.4X152.4X50.8mm)X,Y,Z Consistent Results over entire 6" x 6" area	
POWER REQUIREMENTS	90- 250 - v, 10A @ 230v max consumption		
AMIBENT TEMPERATURE	Recommend 60° to 70° F (16° to 20° C) at a 40% to 60% range of humidity		
EQUIPMENT INTERFACE	PC to printer connectivity Wireless Wi-Fi 802.11 b/g, Ethernet Hi-Speed USB 2.0		PC to printer connectivity Ethernet, Hi-Speed USB 2.0
MATERIALS			
MODEL	3Z® Model		
SUPPORT	3Z® Support		
DEWAX	VSO Liquid solution used to dissolve sacrificial support material		
EFFICIENT WORKFLOW			
CAD FILE INPUT	.stl and .slc files		
3Z® WORKS	Software formats CAD files for 3D printing Allows operator to visually place job suites within build envelope Automatically generates support structure, saving on design time		
3Z® TOUCH	System Software is Windows® based		
AUTOMATIC	Re-start of build from point of interruption Works unattended up to 72 hours		
SCP	Smooth Curvature Printing for superior surface finish		

ROMANOFF CARRIES A FULL STOCK OF ALL SOLIDSCAPE SPARE PARTS AND ACCESSORIES



Solidscape 3Z MAX 2

A high precision 3D Printer for the manufacturing of wax patterns. Max² supports higher throughput and delivers significant production gains for precision design in jewelry, medical and industrial manufacturing applications. The fully automated Max² printer features a user-friendly touch screen and innovative software.



Solidscape 3Z PRO

The accuracy of the Solidscape PRO produces models of intricate designs with ultra-fine feature detail and a smooth surface finish that are ideal for wax masters, 3D printer jewelry applications, and more. Solidscape is the leader of 3D printer companies in the industry. Solidscape designs its three-dimensional printing machines with detail and clarity as a high priority.



Solidscape 3Z STUDIO

The 3Z Studio brings the jeweler's bench to the retail shop where users of any technical level can produce their own intricate wax patterns, ready for casting. The fully automated 3Z Studio marries the passion of fine jewelry design with the power of high precision 3D printing.



NOT ONLY CAN YOU PURCHASE 3D PRINTERS
WE ALSO PROVIDE THE RIGHT SOFTWARE AS WELL
WITH A SUPPORT TEAM TO HELP YOU ENHANCE YOUR BUSINESS
MAKING ROMANOFF TRULY A 1 STOP SHOP

CALL TOLL FREE TO ORDER: 1-800-221-7448



YASUI

A LEADING CASTING SOLUTION PROVIDER

Since 1980, Yasui has helped countless businesses find tremendous success in the jewelry casting industry by designing and manufacturing only the highest quality casting systems.

With years of experiences, Yasui's innovative casting systems bring a rapid progress for improving quality. Also, casting companies who seek to increase competitiveness enjoy successful business with their productive systems.

As a leading casting solution provider, Yasui supplies a wide variety of products to ensure leadership in the marketplace that is so necessary for survival in today's mega competition.

**ROMANOFF HAS BEEN PROVIDING
EXCELLENCE IN YASUI CASTING
SOLUTIONS AND TECHNOLOGIES
FOR OVER 25 YEARS!**



YASUI VCC PLATINUM CASTING MACHINE

The Yasui VCC features their exclusive "double swing arm" patented technology to ensure zero turbulence, complete filling, and dense castings every time! An accurate temperature for casting is achieved by the dual spectrum optical thermal control system guaranteeing consistent and accurate casting temperatures ± 2 Degrees Celsius. The unit features a completely vacuumed casting chamber that removes all unwanted gases and backfills with inert argon gas. The acceleration rate and the RPM speed of the casting arm can be programmed independently and can reach top RPM speed in less than 1/3 of a second!

KEY FEATURES

- Full auto mode, semi auto mode, and manual mode are available.
- Stepless control of rotational speed and initial spin-up.
- High performance servo-motor is built in.
- Double swing arm (pat.) is adopted.
- Control by digital touch panel.

79-600 Yasui VCC Platinum Casting Machine



**THERMAL CONTROL
WITH HIGH ACCURACY!**

YASUI ROTATING BURNOUT FURNACE #13 PLUS & 37

The Yasui RBF Series features Uniform Heat Transfer, due to the displacement of air created by the Rotating Shelves, within the flask chamber. Accurate Temperatures insure a safe burn-out during stone-in-place casting. The Variable Power Heating System, automatically and precisely maintains set temperatures throughout the cycles, (9 Programs, with 4 Ramps and 4 Holds each). Internal Dewaxing System collects wax outside the flask chamber. The afterburner device neutralizes all smoke fumes, odors and pollution produced during overnight burn-out cycles. The narrow door design creates minimal heat loss. RBF37 is for gold only, while RBF13 Plus is for both gold and platinum.



ITEM NUMBER	# OF FLASKS	POWER	BURNOUT TEMPERATURE	DIMENSIONS	APPLICATIONS
77-0146 - RBF 13 Plus	13 - 4" dia	220V, 50/60Hz, Single Phase	Max. 950°C	825 mm x 708 mm x 1984 mm	Gold, Platinum & Stainless
77-014 - RBF37	37 - 4" dia	380V, 50/60Hz, 3 Phases	Max. 850°C	1060 mm x 1070 mm x 2140 mm	Gold, Silver & Brass

YASUI PRIME D-VWIS

PRIME's precise injection eliminates air bubbles, stable wax weight, and other problems by improved performance including control system and other structures to get the best wax. It will be much faster and easier to find the best recipe for the design.

KEY FEATURES

- Large clamp compare to DVWIS
- Memory for all your designs
- Parameters with company data base
- Easy adjustable Z-axis manually
- less shrinkage
- Equal weight of wax
- High production
- User friendly
- IC tag
- Strong machine for heavy production
- Reliable and stable for production
- No retouch – no repair – no air bubble
- Auto preheating
- Parameters can be adjusted easily
- Simple to check the parameters
- Easy touch to operate
- Indicates quantity of wax in tank

74-269A Yasui Prime D-VWIS



wax without retouch

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INDUTHERM

FIRST CLASS INDUCTION TECHNOLOGY SOLUTIONS

From the very beginning, Indutherm has always focused on the development and construction of melting and casting equipment offering a broad diversity for various applications.

DEVELOPMENT IN CLOSE COOPERATION WITH OUR CUSTOMERS

Indutherm casting systems are developed and tested in close cooperation with end users from different sectors: The jewelery industry, rapid prototyping, medicine and dental technologies, automotive and component industries, foundries, mold designers and artists.



FIRST LISTENING... ...THEN ENGINEERING

- Individual, customized solutions according to the customers needs
- A range of systems that can be customized for each application – with several tooling and sizing choices as well as numerous optional accessories
- Individual machine set-ups through software development and generator programming
- Maximum reliability with continuous operation
- Solid advice and support
- Individual and perfectly fitted accessories and spare parts
- All necessary peripheral devices

INDUTHERM MINI CASTING - MC SERIES

TABLE-TOP CASTING MACHINES

Indutherm's multi-award winning and patent-pending vibration system is now available in a compact casting machine. Using vibration can ensure better form filling, creating casts with greater, more consistent densities, higher elasticity and greatly reduced porosity. Vibration technology is a compelling alternative to the frequently used and relatively delicate centrifugal systems, especially when casting platinum or palladium.



FOR GOLD AND SILVER

	MC-15+ 78-2000-PLUS	MC-20 78-2100	MC-60 78-2200	MC-100V 78-4500
Maximum Power / Electrical Connection	3.5 kW 230V single phase	3.5 kW 230V single phase	3.5 kW 230V single phase	8 kW 3x400V (transformer for 220V is available)
Maximum Temperature	2000° C	2000° C	1300° C	2000° C
Casting Volume	100 g Au 18ct 110 g steel / 200 g Pt	100 g Au 18ct 110 g steel / 200 g Pt	450 g Au 18 ct 300 g Ag 925	450 g Au 18 ct 250 g steel 500 g Pt
For Flasks up to	ø 30/50/65/80 mm x 80 mm h	ø 30/50/65/80 mm x 80 mm h	ø 80 x 120mm h 100 mm x 120 mm h (optional)	Up to ø 80/100 mm x 120 mm h
Control Panel	Digital Display	by LCD, full text readout	Digital Display	by LCD, full text readout
Auto. vacuum / overpressure function	Standard	Standard	Standard	Standard
Vacuum or overpressure after casting	-1 to +2 bar	-1 to +3 bar	-1 to +2 bar	-1 to +3 bar
Function washing by inert gas	Standard	Standard	Standard	Standard

INDUTHERM VTC MACHINES

VACUUM TILT CASTING MACHINES

The VTC 100V - VTC 800V are extremely versatile casting machines suitable for a wide range of applications – and a number of options that were considered mutually incompatible up to now. Thus, while the VTC series was originally designed as a high-temperature casting machine for casting steel, palladium, platinum etc. (max. 2,000°C), the large flask capacity ensures more production and reduced costs when casting in gold, silver, copper, aluminum and other materials.



	VTC 100V (Ti) 78-T4100 (78-T4100-TN)	VTC 200V (Ti) 78-T4200 (78-T4200-TN)	VTC 400V (Ti) 78-T4400 (78-T4400-TN)	VTC 800V (Ti) 78-T4800 (78-T4800-TN)
Maximum Power / Electrical Connection	12 kW / 3x400V	15 kW / 3x400V	20 kW / 3x400V	20 kW / 3x400V
Maximum Temperature	2100°C	2100°C	2100°C	2100°C
Graphite Crucible Volume	25 ccm = 450 gr Au 18 ct	145 ccm = 2.0 kg Au 18 ct	300 ccm = 4.0 kg Au 18 ct	600 ccm = 4kg steel
Ceramic Crucible Volume	30 ccm = 600 gr Pt / 250 gr steel / (95gr Ti)	180 ccm = 2.5 kg Pt / 1 kg steel / (450gr Ti)	300 ccm = 2.0 kg steel / (900gr Ti)	600 ccm = 4.0 kg steel / (1800gr Ti)
Maximum Flask Capacity	125mm DIA x 220mm H	125mm DIA x 220mm H	125mm DIA x 220mm H	125mm DIA x 220mm H
Vibration Technology	Standard Equipment - Sweep Mode	Standard Equipment - Sweep Mode	Standard Equipment - Sweep Mode	Standard Equipment - Sweep Mode
Automatic Tilting With Motor Drive	Standard Equipment	Standard Equipment	Standard Equipment	Standard Equipment
Automatic Flask Fixing	Standard Equipment	Standard Equipment	Standard Equipment	Standard Equipment
GSM Modem For Remote Service	Standard Equipment	Standard Equipment	Standard Equipment	Standard Equipment
Pyrometer With Video Output	Optional Equipment	Optional Equipment	Optional Equipment	Optional Equipment
Dimensions (WxDxH)	700mm x 800mm x 1500mm	700mm x 800mm x 1500mm	700mm x 800mm x 1500mm	700mm x 800mm x 1500mm

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INDUTHERM VACUUM CASTING

APPLICATIONS

- Rapid Prototyping
- Foundries
- Automotive and Component industries
- Medical and Dental technologies
- Jewelry applications
- Aerospace
- Artists

ADVANTAGES

- Energy efficient generators and inductors
- Optimized use of induction power
- Effective insulation against heat radiation
- High melting performance with reduced power consumption.



FULLY - AUTOMATIC

	VC450 78-3300	VC480V 78-3400	VC650V 78-4000
Maximum Power / Electrical Connection	4.5kW 3x400V (1400° C)	8 kW 3x400V (1600° C)	12 kW 3x400V (1700° C)
Crucible Volume	170 ccm = 2.5kg Au 18 ct*	170 ccm = 2.5kg Au 18 ct*	245 ccm = 3.6 kg Au 18 ct* or 386 ccm = 5.8 kg Au 18 ct*
Flasks	130 mm / 260 mm h	130 mm / 260 mm h	130 mm / 260 mm h or 160 mm / 400 mm h
Vibration Technology	N/A	Standard Equipment	Standard Equipment
Pneumatic Bell Lock	Standard Equipment	Standard Equipment	Standard Equipment
Maximum Pressure	1.5 bar	1.5 bar	3 bar
Programs	20	100	100
Program Control	by LCD-display, full text readout	by LCD-display, full text readout	by LCD-display, full text readout
Flask Temp. Measurement	N/A	N/A	Standard Equipment
Automatic Flask & Chamber Lift	Standard Equipment	Standard Equipment	Standard Equipment
RS 232, Diagnostic System	Standard Equipment	Standard Equipment	Standard Equipment



SEMI - AUTOMATIC

	VC 200 78-4200	VC 300 78-4300	VC 400 78-3000	VC 500 78-3500
Maximum Power / Electrical Connection	2kW 230V (1200°C)		3.5 kW 230V or 4.5kW 3x400v (1400°C)	10kW 3x400V / 3x208V (1600°C)
Crucible Volume	245 ccm = 3.6kg Au 18 ct*		170 ccm = 2.5kg Au 18 ct*	245 ccm = 3.6 kg Au 18 ct* or 386 ccm = 5.8 kg Au 18 ct*
Flasks	130 mm / 260 mm h		130 mm / 260 mm h	130 mm / 260 mm h or 160 mm / 400 mm h
Dual Temperature Control	N/A		Optional	Optional
Flask Temperature Measurement	N/A		N/A	Standard Equipment
Flask and Chamber Lift	Optional Equipment		Optional	Standard Equipment
Temperature Programs	N/A		20 temperature programs	20 temperature programs
Turbo Pressure Function	N/A		Standard Equipment	Standard Equipment
RS 232, Diagnostic System	Standard Equipment		Standard Equipment	Standard Equipment
Sintering Kit (for Diffusion Bonding)	Optional Equipment		Optional	Optional
Granulation Tank	N/A		Optional	Optional

INDUTHERM VACUUM CASTING FOR LARGER PARTS

APPLICATIONS

- Rapid Prototyping
- Automotive and Component industries
- Orthopaedic and Medicine Technologies
- Machinery Construction
- Toolmaking
- Sculptures

ADVANTAGES

- Capacity and power for large scale projects
- Programmable control system
- Vacuum regulating during melting phase
- Large LCD with full text display



LARGER CASTING	VC1000* 78-4450	VC3000* 78-4900	VC12000* 78-12000
Maximum Power / Electrical Connection	25kW / 3x400V / 40A, 50Hz or 60Hz	30kW / 3x400V / 50A, 50Hz or 60Hz	40kW / 3x400V / 50A, 50Hz or 60Hz
Maximum Temperature	1500°C	1500°C	1200°C
Crucible Volume	1500ccm = 15kg Ag, 4kg Al	3400ccm = 34kg Ag, 9kg Al	12000ccm = 180kg Au 18ct, 30kg Al
Flasks Up To (DxH)	250mm x 500mm	450mm x 600mm or 300mm x 600mm	600mm x 800mm
Temperature Measurement	N-type thermocouple up to 1300°C S-type thermocouple up to 1500°C	N-type thermocouple up to 1300°C S-type thermocouple up to 1500°C	K-type thermocouple up to 1200°C
Dual Temperature Control	Yes	Yes	Yes
Temperature Programs	20	20	20
Granulation Tank	Optional	Optional	Optional
Magnesium Kit	Optional	Optional	Optional
Protective Gas Supply	3 to 5 bar, pure N2 or pure Ar	3 to 5 bar, pure N2 or pure Ar	3 to 5 bar, pure N2 or pure Ar
Vacuum	0 - 20 mbar max., at least 40 m3/h	0 - 20 mbar max., at least 40 m3/h	0 - 20 mbar max., at least 40 m3/h

* All versions are offered with vibration option as well

The large vacuum pressure casting machines are mostly used for precise castings in aluminium alloys. They are always the first choice for parts with a complicated geometry or when the number of pieces is not large enough for a diecast production. VC 1000, 3000 and 12000 offer the best pre-condition for high quality castings in aluminium: the hydrogen content of Al-alloys may be adjusted by regulation of the vacuum during melting. This way, foaming of molten metal can be avoided without any melt additives. Overpressure in the melting chamber during and after casting and simultaneous vacuum in the flask chamber optimise the form filling especially in filigree or thin-walled areas.



INDUTHERM GU SERIES GRANULATING MACHINES

These machines are developed especially for granulating bullions, sheet metal or casting residues into proper grains. The granulation tanks are very easy to remove for clearing. The GU machines are available with crucible sizes from 245 ccm up to 12,000 ccm.

APPLICATIONS

- Preparation of alloys out of gold and master alloy under inert gas atmosphere or under vacuum
- Preparation of alloy components under inert gas atmosphere or under vacuum
- Preparation of alloys from components under inert gas atmosphere or under vacuum
- Cleaning up of already casted metal under inert gas atmosphere or under vacuum ...each under inert gas atmosphere or under vacuum



GRANULATORS	GU500 78-4600	GU1000 78-4700	GU3000 78-4800	GU12000 78-48100
Maximum Power / Electrical Connection	10 kW / 3x400V 50A, 50/60Hz	25 kW / 3x400V 32A, 50/60Hz	30 kW / 3x400V 50A, 50/60Hz	40 kW / 3x400V 63A, 50/60Hz
Maximum Temperature	1600°C	1600°C	1500°C	1600°C
Crucible Volume	245-386ccm ~ 3.6-5.7kg Gold	1500ccm = 22kg Gold 18ct	3400ccm = 51kg Gold 18ct, 30kg Silver	12000ccm = 180kg Gold 18ct
Flasks Up To (DxH)	130mm x 260mm	---	---	---
Temperature Measurement	Up to 1300°C N Type or 1600°C S Type Thermocouple	Up to 1200°C N Type or 1600°C S Type Thermocouple	Up to 1300°C N Type or 1500°C S Type Thermocouple	Up to 1600°C B Type Thermocouple
Supply: Inert Gas Argon or Nitrogen	Yes - At 1.5 to 2.0 Bar Pressure	Yes - At 3.0 Bar Pressure	Yes - At 3.0 Bar Pressure	Yes - At 3.0 Bar Pressure
Cooling Water Supply	2.5-6 Bar/ At Least 200l/h	2.5-6 Bar/ At Least 300l/h	2.5-6 Bar/ At Least 300l/h	2.5-6 Bar/ At Least 300l/h
Vacuum (Optional)	0-20 Mbar Max., At Least 21m³/h	0-20 Mbar Absolute, At Least 21m³/h	0-20 Mbar Absolute, At Least 21m³/h	0-20 Mbar Absolute, At Least 21m³/h
Weight	120kg	220kg	300kg	590kg
Dimensions (WxDxH)	500mm x 1400mm x 820mm	700mm x 1000mm x 1450mm	800mm x 1100mm x 1450mm	1250mm x 1000mm x 1450mm

INDUTHERM TILTING FURNACES

HIGH TEMPERATURE

Indutherm Tilting Furnaces are mainly used in two areas:

1. for melting down large quantities of metal such as antique gold or manufacturing residues like casting waste, scrap or swarf. 15 - 60 kW output and low-frequency tuning means fast melting – even for large volumes – and excellent through-mixing.
2. for casting large, heavy components e.g. according to the shell casting principle. For pouring off, the inductor/crucible unit is tilted forwards, either using a pivot lever or wheel, optionally with reduction. The wheel is recommended out of preference for safety reasons, as the operator must move away from the splash zone when pouring off.



Maximum Power / Electrical Connection Maximum Temperature Temperature Measurements By Thermocouple Crucible Volume Handling & Control Temperature Control Temperature Programs Interface RS 232 Diagnostic System GSM Modern For Remote Service Dimensions (W x D x H)	TF 1200 - TF 2000 - TF 4000 78-61200 - 78-6130 - 78-61400	TF6000 - TF 12000 78-66000 - 78-612000	TF2000C - TF4000C 78-1300C - 78-1500C
Maximum Power / Electrical Connection	15kw (3x400V) / 25kw (3x400V) / 30kw (3x400V)	40kw (3x400V) 60kw (3x400V)	40kw (3x400V) / 60kw (3x400V)
Maximum Temperature	1500°C	1500°C	1700°C
Temperature Measurements By Thermocouple	Thermocouple	Thermocouple	Optional Pyrometer
Crucible Volume	1,200ccm = 18kg Au 18ct 2,200ccm = 30kg Au 18ct 4,000ccm = 60kg Au 18ct	6,000ccm = 90kg Au 18ct 12,000ccm = 180kg Au 18ct	2,000ccm = 5kg-14kg Steel 4,000ccm = 8kg-30kg Steel
Handling & Control	Tilting By Lever	Tilting With Motordrive (Remote Control)	Tilting With Motor Drive (Remote Control)
Temperature Control	LCD Display, Full Text Readout	LCD Display, Full Text Readout	LCD Display, Full Text Readout
Temperature Programs	20	100	20
Interface RS 232 Diagnostic System	Standard Equipment	Standard Equipment	Standard Equipment
GSM Modern For Remote Service	Optional	Standard Equipment	Optional
Dimensions (W x D x H)	700mm x 600mm x 1250mm	1,250mm x 820mm x 1,300mm	700mm x 700mm x 1,250mm

INDUTHERM MU SERIES

INDUCTION MELTING MACHINES

Indutherm's MU series machines are flexible melting furnaces designed to melt gold and silver alloys as well as aluminum, bronze, brass, and more. The strong 15 kW induction generator and low induction frequency provide excellent stirring of the molten metal.



Maximum Power / Electrical Connection Maximum Temperature Crucible Volume Temperature Measurement Temperature Control Temperature Programs Interface R2 232 Diagnostic System GSM Modem For Remote Control	MU200 78-1200	MU400 78-1400	MU700 78-1700	MU900 78-1900	MU1200 78-12000
Maximum Power / Electrical Connection	3.5kW (230V) or 6.0kW (3x400V)	10kW	12kW	15kW	15kW
Maximum Temperature	1300°C or 1500°C	1500°C	1500°C	1500°C	1500°C
Crucible Volume	155cm = 2.3kg AU 18ct	400cm = 6kg AU 18ct	700cm = 9kg AU 18ct	900cm = 13kg AU 18ct	1,200cm = 18kg AU 18ct
Temperature Measurement	Thermocouple	Thermocouple	Thermocouple	Thermocouple	Thermocouple
Temperature Control	Standard	Standard	Standard	Standard	Standard
Temperature Programs	20	20	20	20	20
Interface R2 232 Diagnostic System	Standard	Standard	Standard	Standard	Standard
GSM Modem For Remote Control	Optional	Optional	Optional	Optional	Optional

ROMANOFF

RCS CENTRIFUGAL CASTING MACHINES



Capable of casting all metals and alloys, both precious and non-precious, Romanoff RCS Centrifugal Casting Machines offer a wide variety of uses and applications. These models are noted for their high melting efficiency and speed. The patented RCS (Rotating Coil System) not only provides excellent casting results, but can do so without having to cool down due to coil dropping prior to spinning. The RCS machines are available in semi and fully automatic.



- Built in vacuum pump and Argon gas circuit
- Coil rotation with arm and flask
- Coil still heating during rotation
- Metal injected in liquid phase
- Accurate temperature reader with advanced thermo regulator
- Metal emissivity regulation
- Vacuum-Argon washing cycle
- Built in cooling system

ROMANOFF

CCM CENTRIFUGAL CASTING MACHINES

The Romanoff line of casting machines have unique features, such as: Melting in a vacuum controlled atmosphere, built in Micro-Processor Computer to ensure consistent quality castings, control of initial acceleration and final RPM, Self Diagnostic warning system to notify operators if water pressure or power is low or crucible needs to be changed. The Romanoff casting machines melt under vacuum and allow the operator to introduce argon gas or any other inert gas when required to protect the alloy during melting.



- New heavy duty melting generator
- Easy to use digital Control Panel
- 20 user programs with 10 programmable parameters each
- Built in 20 m3 vacuum pump and Argon Gas circuit
- Metal emissivity regulation
- Accurate temperature reader with advanced thermo regulator
- Excellent heating cycle control

	ROMANOFF RCS LITE 4 KW 79-7100	ROMANOFF RCS 4 KW 79-700	ROMANOFF RCS 5 KW 79-800	ROMANOFF CCM 200 79-500-D1	ROMANOFF CCM 400 79-500-D2
Absorbed Power kW (max)	4.0	4.0	5.0	7.5	7.5
Output Frequency kHz	60-105	60-105	60-105	50-80	50-80
AC Line Volts (50/60Hz)	230 ±10%	230 ±10%	230 ±10%	230 ±10%	230 ±10%
Line Phases	1	1	1	3	3
Crucible Capacity	200g Pt, 170g Au	200g Pt, 170g Au	200g Pt, 170g Au, 80g Ti	350g Pt, 290g Au	750g Pt, 650g Au
Flask Size mm (max)	D=80 x H=75	D=80 x H=75	D=80 x H=85	D=100 x H120	D=120 x H=160
Max Melting T°	2000° C	2000° C	2000° C	2000° C	2000° C
Operation	Semi-Automatic	Automatic	Automatic	Automatic	Automatic
Programs	1	20	20	20	20
Dimensions LxWxH	25.2" x 26.4" x 41.3"	25.2" x 26.4" x 41.3"	25.2" x 26.4" x 41.3"	29" x 24.4" x 42.9"	39.4" x 32.7" x 42.5"
Weight	342 lbs (155 kg)	342 lbs (155 kg)	385.8 lbs (175 kg)	551.1 lbs (250 kg)	684.4 lbs (310 kg)

ROMANOFF

INDUCTION EASYMELT

An excellent choice for all precious metal buyers who need an induction melting furnace for rapid melts. All models are also available for stainless steel and platinum. Excellent choice for precious metal buyers who need an induction melting furnace for rapid melts and pours into ingots. Reliable, easy to maintain and service and easy to install and simple to operate. Induction generator cooled by external water. 1-30 minute timer with power regulation 10 -100%. Convenient L.E.D. screen displays power level, time and temperature.



ITEM NUMBER	MAX TEMPERATURE	CRUCIBLE CAPACITY	POWER (ABSORBED)	DIMENSIONS	WEIGHT
79-1100	1200°C	1kg Au	230 +/- 10% (2.8 kW)	360mm x 450mm x 180mm	31 lb (14kg)
79-1300	1200°C	2kg Au	230 +/- 10% (2.8 kW)	360mm x 450mm x 180mm	31 lb (14kg)
79-1250	2000°C	50-250g Pt	230 +/- 10% (2.8 kW)	360mm x 450mm x 180mm	31 lb (14kg)

ROMANOFF

ULTRAMELT INDUCTION MELTERS

These induction melting furnaces are for gold, platinum, and steel melting. Efficient circuit with low energy consumption. These machines are reliable and are also easy to maintain and service. Users will enjoy how easy these machines are to install and how simple they are to operate.

These units feature a digital control panel with advanced service and diagnostic features, such as a power bar-graph indicator. The modern stainless steel enclosure has a temperature resistant top plate. The installed thermocouple allows for better temperature control. Optional Infra-Red temperature reader.



	ULTRAMELT 4G 79-1500	ULTRAMELT 5P 79-1600	ULTRAMELT 10G 79-1700	ULTRAMELT 15G 79-1800
Absorbed Power kW (max)	4.0	5.0	10.0	15.0
AC Line , Volts (50/60Hz)	230 ±10%	230 ±10%	380/480 ±10%	380/480 ±10%
Line Phases	1	1	3	3
Crucible Capacity	4kg Au	120-600g Pt	10kg Au	15kg Au
Max Melting Temperature°	1300°C	2000°C	1300°C	2000°C
Cooling System	Water	Water	Water	Water
Weight	123lb (56kg)	123lb (56kg)	275.6lb (125kg)	275.6lb (125kg)
Dimensions LxWxH	18.1" x 15.7" x 37.4"	18.1" x 15.7" x 37.4"	21.7" x 25.6" x 38.2"	21.7" x 25.6" x 38.2"

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ROMANOFF DELUXE CASTING KIT

74-925

This Indutherm casting machine will melt and cast under vacuum with temperature control up to 1300°C or 1600°C when using the optional "S" thermocouple or visually up to 2000°C. It will produce high quality castings in brass, gold, silver, platinum, palladium and stainless steel. The vacuum investment mixer with speed, vibration and timer control will produce a uniform and bubble free investment slurry. The digital programmable furnace will reach up to 2000°F and has 8 ramps and can store 4 programs. This complete casting kit contains all the necessary items needed to produce high quality castings.



INDUTHERM MC15+ 78-2000-PLUS	
Maximum Power	3.5kW
Maximum Temperature	2000°C
Temperature Measurement	Standard: Thermocouple type N up to 1300°C Optional: Thermocouple type S up to 1600°C
Casting Volume	100g Au 18ct 110g Steel / 200g Pt
For Use Of Flasks Up To	Diameter 30/50/65/80mm x Height 80mm
Control Panel	Digital Display
Automatic Vacuum & Overpressure Function	Standard
Vacuum Or Overpressure After Casting	-1 or +2 bar
Washing By Inert Gas Supply	Standard
Dimensions & Weight	17.5" H x 16" W / 60lb



ITEM NUMBER	DESCRIPTION
B 73-040	Mini 1-1/3qt Wax Injector
C 77-0907	Super Blue 8.5" x 8.75" x 9" Programmable Furnace 110V
D 76-113-MINI	St Louis Vacuum Mixer
E 7119	Vacuum Pump 3 CFM (120V or 220V)
F 79-001	Hydro-Air Pressure Washer Gun
G 76-110	Investment "Baby Style" Scale
H 74-000-WC	Platinum Wax Mushroom Base - 5 Pack
I 74-0606	Filigree Pink Flake Wax - 5lb
J 74-006	Max Wax Speed Pen
K 78-090	14" White Non-Asbestos Gloves
L 79-0305	Maun Sprue Cutter - 6.5" (165mm) Long
M 76-016	Cone Style Sprue Base - 3"

ITEM NUMBER	DESCRIPTION
N 21.890-1	Adjustable Sprue Base Holder
O 76-047	2 Stainless Steel Solid Flasks - 3" x 3" / 12 Gauge
P 76-0855	Non-Asbestos Paper Roll - 2.5" x 1/16" x 75'
Q 76-0881-4RND	5 Non-Asbestos Paper Bases - 4" OD x 0.75" ID
R 76-109	Graduated 3 Liter Measuring Pitcher
S 76-109-250ML	Graduated 250ml Measuring Cylinder
T Z14-301-40	Ransom & Randolph Ultra-Vest Investment - 40lb Bliss Box
U 80-089	Gold Investment Remover
V 80-137-1CAR	J-Break Platinum Investment Remover
W Z14-305-606C	J-Formula "606" Platinum Investment With Blue Binder

ROMANOFF SUPERIOR CASTING KIT WITH OPTICAL PYROMETER

74-927

This Indutherm casting machine will melt and cast under vacuum with an immersion thermocouple temperature control up to 1300°C or 1600°C with the optional "S" thermocouple or with an optical pyrometer up to 2000°C. The additional advantages of this model casting machine are vibration after the metal has been poured into the flasks to insure denser castings, digital display and casting memories.

It will produce high quality castings in brass, gold, silver, platinum, palladium and stainless steel. The vacuum investment mixer with speed, vibration and timer control will produce a uniform and bubble free investment slurry. The digital programmable furnace will reach up to 2000°F and has 8 ramps and can store 4 programs. This complete casting kit contains all the necessary items needed to produce high quality castings.



INDUTHERM MC20V 78-2100	
Maximum Power	3.5kW
Maximum Temperature	2000°C
Temperature Measurement	Standard: Thermocouple type N up to 1300°C Optional: Thermocouple type S up to 1600°C Optical Pyrometer up to 2000°C
Casting Volume	100g Au 18ct 110g Steel / 200g Pt
For Use Of Flasks Up To	Diameter 30/50/65/80mm x Height 80mm
Control Panel	by LCD, full text readout
Automatic Vacuum Function	Standard
Automatic Overpressure After Pouring	Standard
Washing By Inert Gas Supply	Standard
Dimensions & Weight	17.5" H x 16" W / 60lb



ITEM NUMBER	DESCRIPTION
B 73-040	Mini 1-1/3qt Wax Injector
C 77-0907	Super Blue 8.5" x 8.75" x 9" Programmable Furnace 110V
D 76-113-MINI	St Louis Vacuum Mixer
E 7119	Vacuum Pump 3 CFM (120V or 220V)
F 79-001	Hydro-Air Pressure Washer Gun
G 76-110	Investment "Baby Style" Scale
H 74-000-WC	Platinum Wax Mushroom Base - 5 Pack
I 74-0606	Filigree Pink Flake Wax -5lb
J 74-006	Max Wax Speed Pen
K 78-090	14" White Non-Asbestos Gloves
L 79-0305	Maun Sprue Cutter - 6.5" (165mm) Long
M 76-016	Cone Style Sprue Base - 3"

ITEM NUMBER	DESCRIPTION
N 21.890-1	Adjustable Sprue Base Holder
O 76-047	2 Stainless Steel Solid Flasks - 3" x 3" / 12 Gauge
P 76-0855	Non-Asbestos Paper Roll - 2.5" x 1/16" x 75'
Q 76-0881-4RND	5 Non-Asbestos Paper Bases - 4" OD x 0.75" ID
R 76-109	Graduated 3 Liter Measuring Pitcher
S 76-109-250ML	Graduated 250ml Measuring Cylinder
T Z14-301-40	Ransom & Randolph Ultra-Vest Investment - 40lb Bliss Box
U 80-089	Gold Investment Remover
V 80-137-1CAR	J-Break Platinum Investment Remover
W Z14-305-606C	J-Formula "606" Platinum Investment With Blue Binder

CALL TOLL FREE TO ORDER: 1-800-221-7448

ROMANOFF SUPERIOR PLUS CASTING KIT WITH OPTICAL PYROMETER

74-929

The Indutherm casting machine will melt and cast under vacuum with an immersion thermocouple temperature control up to 1300°C or with it's optical pyrometer up to 2000°C.

A significant advantage of the MC100V casting machine is the vibration mode after the metal has been poured into the flasks to ensure denser castings, plus it has a digital display and casting memories. The MC100V will produce high quality castings in brass, gold, silver, platinum, palladium, and stainless steel.

The vacuum investment mixer with speed, vibration, and timer control will produce a uniform and bubble free investment slurry. The digital programmable furnace will reach up to 2000°F and has 8 ramps and can store 4 programs. This complete casting kit contains all the necessary items needed to produce high quality castings.



INDUTHERM MC100V 78-4500	
Maximum Power	8.5kW
Maximum Temperature	2000°C
Temperature Measurement	Standard: Thermocouple type N up to 1300°C and Optical Pyrometer up to 2000°C
Casting Volume	450g Au 18ct 250g Steel / 500g Pt
For Use Of Flasks Up To	Up to 80mm/100mm x 120mm H Diameter 100mm x 120mm H
Control Panel	by LCD, full text readout
Automatic Vacuum Function	Standard
Automatic Overpressure After Pouring	Standard
Washing By Inert Gas	Standard
Supply	3x400V, cooling water, inert gas argon or nitrogen
Dimensions & Weight	24" H x 24" W / 120lb



ITEM NUMBER	DESCRIPTION
B 73-040	Mini 1-1/3qt Wax Injector
C 77-0907	Super Blue 8.5" x 8.75" x 9" Programmable Furnace 110V
D 79-115 / 76-115-1	Vacuum Mixer With Vibration 220V 1ph, 6kg With Platinum Option
E 7119	Vacuum Pump 10 CFM (120V or 220V)
F 79-001	Hydro-Air Pressure Washer Gun
G 76-110	Investment "Baby Style" Scale
H 74-000-WC	Platinum Wax Mushroom Base - 5 Pack
I 74-0606	Filigree Pink Flake Wax -5lb
J 74-006	Max Wax Speed Pen
K 78-090	14" White Non-Asbestos Gloves
L 79-0305	Maun Sprue Cutter - 6.5" (165mm) Long
M 76-019-I	2 Cone Style Sprue Bases For Indutherm - 100mm

ITEM NUMBER	DESCRIPTION
N 21.890-1	Adjustable Sprue Base Holder
O 76-0661	2 Stainless Steel Solid Flasks - 4" x 4.75" / 12 Gauge
O 76-047	2 Stainless Steel Solid Flasks - 3" x 3" / 12 Gauge
P 76-0855	Non-Asbestos Paper Roll - 2.5" x 1/16" x 75'
Q 76-0881-4RND	5 Non-Asbestos Paper Bases - 4" OD x 0.75" ID
R 76-109	Graduated 3 Liter Measuring Pitcher
S 76-109-250ML	Graduated 250ml Measuring Cylinder
T Z14-301-40	Ransom & Randolph Ultra-Vest Investment - 40lb Bliss Box
U 80-089	Gold Investment Remover
V 80-137-1CAR	J-Break Platinum Investment Remover
W Z14-305-606C	J-Formula "606" Platinum Investment With Blue Binder
X 78-4507	Indutherm Adjustable Flask Adapter

ROMANOFF RCS CASTING KIT WITH OPTICAL PYROMETER

74-928

The Romanoff RCS Lite will cast all metals and alloys: precious and non-precious. The patented RCS (Rotating Coil System) provides excellent casting results and no cool down due to coil dropping prior to spinning. It has very high melting efficiency and speed, it's easy to install and simple to operate. Reliable, easy to maintain and service. The vacuum investment mixer with speed, vibration and timer control will produce a uniform and bubble free investment slurry. The digital programmable furnace will reach up to 2000°F and has 8 ramps and can store 4 programs. This complete casting kit contains all the necessary items needed to produce high quality castings.



ROMANOFF RCS 79-7100	
Absorbed Power Max	4kW
Output Frequency	60-105
AC Line (50/60Hz)	230V ±10%
Line Phases	1
Crucible Capacity	200g Pt, 100g Au
Flask Size	D=90 x H=90
Max Melting Temperature	2000°C
Cooling System	Water-Internal
Weight	440.9lb (200kg)
Dimensions (LxWxH)	26.4" x 21.7" x 41.3" (67cm x 55cm x 105cm)



ITEM NUMBER	DESCRIPTION
B 73-040	Mini 1-1/3qt Wax Injector
C 77-0911-A	Super Blue 8.5" x 8.75" x 9" Programmable Furnace 110V
D 76-113-MINI	St. Louis Vacuum Mixer
E 7115A	Vacuum Pump 3 CFM (120V or 220V)
F 79-001	Hydro-Air Pressure Washer Gun
G 76-110	Investment "Baby Style" Scale
H 74-000-WC	Platinum Wax Mushroom Base - 5 Pack
I 74-0606	Filigree Pink Flake Wax -5lb
J 74-006	Max Wax Speed Pen
K 78-090	14" White Non-Asbestos Gloves
L 79-0305	Maun Sprue Cutter - 6.5" (165mm) Long
M 76-016	2 Tree Style Rubber Sprue Bases - 3" Diameter x 3/8"

ITEM NUMBER	DESCRIPTION
N 21.890-1	Adjustable Sprue Base Holder
O 76-047	2 Stainless Steel Solid Flasks - 3" x 3" / 12 Gauge
P 76-0855	Non-Asbestos Paper Roll - 2.5" x 1/16" x 75'
Q 76-0881-4RND	5 Non-Asbestos Paper Bases - 4" OD x 0.75" ID
R 76-109	Graduated 3 Liter Measuring Pitcher
S 76-109-250ML	Graduated 250ml Measuring Cylinder
T Z14-301-40	Ransom & Randolph Ultra-Vest Investment - 40lb Bliss Box
U 80-089	Gold Investment Remover
V 80-137-1CAR	J-Break Platinum Investment Remover
W Z14-305-606C	J-Formula '606' Platinum Investment With Blue Binder



ROMANOFF

CAD/CAM LMR CLEAR MOLD RUBBER KIT

The best liquid rubber developed, specifically for reproducing CAD-CAM resin models. This is a pure, clear silicone with 0.0% shrinkage, with no heat or pressure. No release sprays required. Clear for easy mold cutting visibility. Excellent tear resistance for long life. It will NOT stick to CAD/CAM resins and is easy to vacuum and debubble. Can pour up to 600°F metal in CAD-CAM clear molds. Will not deteriorate over time.

73-050-2 CAD-CAM LMR Clear Mold Rubber Kit - 2 LB

73-050-10 CAD-CAM LMR Clear Mold Rubber Kit - 10 LB

73-050-50 CAD-CAM LMR Clear Mold Rubber Kit - 50 LB



ROMANOFF

ORIGINAL LMR COMPOUND

Romanoff's LMR is the best and most popular liquid mold rubber used by professional mold makers. Romanoff's LMR (Liquid Mold Rubber) requires no heat, cures at room temperature overnight and has 0.0% shrinkage every time. Romanoff's LMR is firm, durable, tear resistant, and has excellent memory. Mixing ratio is 10 to 1, Curing time can be reduced when mold is heated to 125°F.

73-052 Original White LMR Compound Kit - 10 LB

73-052-5 Original white LMR Compound Kit - 50 LB



CASTALDO LIQUIFAST ICE

New LiquaFast™ ICE from CASTALDO® is a transparent two-part 0% shrinkage RTV silicone molding rubber that cures very rapidly at normal room temperatures and cures even faster at slightly warmer temperatures.

That means that you can make a mold from your CAD CAM, RP and SLA models in the morning, shoot waxes 30 minutes later and cast them that afternoon. No more waiting. New LiquaFast ICE makes strong, tough, tear-resistant permanent molds that last and last and do not become soft with age.

73-0525 Castaldo LiquaFast 1kg Kit

73-0526 Castaldo LiquaFast 4kg Kit



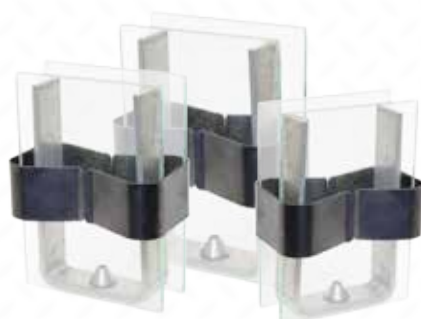
CASTALDO LIQUACAST LONG LIFE

Makes molds that are extremely strong, tough and tear-resistant, another reason they will last and last despite repeated use. It's perfect for complex molds, difficult undercuts and spirals and cores. And it's compatible with most computer-generated CAD-CAM resin and difficult to mold CAD-CAM wax patterns.

Easy one to one mix ratio.

73-0522 8kg Kit

73-0523 20kg Kit



SEE-THRU FERRIS GLASS MOLD FRAMES

Use these see-thru mold frames whenever you are using liquid mold rubber products. The mold set comes complete with an aluminum "U" shaped frame (with built in sprue former), two glass plates, and two spring clamps. These frames are great for visualizing your model's position prior to pouring in LMR mixtures. All frames are 3"H x 2"D.

73-022 3/4" (19mm)

73-023 1" (25.4mm)

73-024 1-1/4" (31.75mm)

ROMANOFF

STANDARD TABLE-TOP VULCANIZER

Romanoff table top vulcanizers feature a heavy-duty aluminum cast construction, accurate thermostat, heavy guide posts to insure a perfect alignment of top and bottom plates, on-off switch with separate pilot light, thermostat pilot indicating light, a 1" diameter pressure screw and a bar type handle which allows for maximum pressure on the mold. The standard vulcanizer can hold two average size molds. 220V available. Plate size 5" x 8". Made in USA.

73-047 Standard Table-Top Vulcanizer -110V - Single Control



ROMANOFF

DELUXE TABLE-TOP VULCANIZER

Romanoff table top vulcanizers feature a heavy-duty aluminum cast construction, accurate thermostat, heavy guide posts to insure a perfect alignment of top and bottom plates, on-off switch with separate pilot light, thermostat pilot indicating light, a 1" diameter pressure screw and a bar type handle which allows for maximum pressure on the mold. The dual thermostat vulcanizer enables you to control both top and bottom heating elements independently, therefore the operator can compensate for heat rise. The deluxe vulcanizer will hold four molds.

220V option available. Plate size 6" x 8.5". Made in USA.

73-002 Deluxe Vulcanizer - 110V - Single Control

73-002-D Deluxe Vulcanizer - 110V - Dual Control



ALUMINUM MOLD FRAMES

These jewelry mold frames are for holding uncured rubber and model when vulcanizing. Each frame is machined from hardened aircraft aluminum. The openings are made to accept all standard pre-cut mold rubber available. Pre-cut mold rubber available with no trimming required.

ITEM NUMBER	FRAME TYPE	DIMENSIONS
73-006D	Double	3/4" x 1-7/8" x 2-7/8"
73-0167	Quad	3/4" x 1-7/8" x 2-7/8"



CASTALDO SUPER HIGH STRENGTH MOLD

Castaldo, known throughout the jewelry industry for performance, dependability and value, manufactures mold rubber trusted the world over. Castaldo silicone mold rubber is self-releasing with a very low shrinkage rate. Castaldo silicone jewelry molding rubbers produce waxes with an extremely smooth high shine finish that won't stick to the mold. Smooth Skinny waxes means faster cleaning and less polishing of finished castings.

73-073B-SH Castaldo Super High Strength Mold - Sold in 5lb box



ROMANOFF

ORIGINAL BLUE LO-SHRINK RUBBER STRIPS

Romanoff exclusive Blue Lo-Shrink Rubber has been an industry standard for mold making for over 30 years. Can be used by itself or in combination with any other brand of mold rubber, this will save you money and keep shrinkage to a minimum. If you are using Blue Lo-Shrink in combination with other rubbers, place the Blue Lo-Shrink around the model and the standard mold rubber around the outside of the mold. When your mold requires a rubber with very low shrinkage, use Blue Lo-Shrink Rubber, featuring less than 1% shrinkage.

73-079B Original Blue Lo-Shrink Rubber strips - Sold in 5lb box



CALL TOLL FREE TO ORDER: 1-800-221-7448

19



SUPER BLUE AUTOMATIC FURNACE

The Super Blue Automatic Furnaces come with the Sentry Xpress digital controller. Can hold 4 programs with 8 steps. Kiln will automatically shut off heat when door is opened and resume when closed. Has alarm when set temp. is reached. 240v Available. Made in USA.

ITEM NUMBER	TOTAL CUBIC FEET	MAX TEMP.	FLASK CAPACITY	CHAMBER OPENING WxHxD	OUTER DIMS. WxHxD
77-0924-A	0.14'	2300°F	2 ea. 3 x 4" Solid Flasks	5.75" x 6.25" x 6"	11" x 14.25" x 16.75"
77-0908	0.35'	2000°F	4 ea. 3 x 4" Solid Flasks	8.5" x 6" x 12"	14" x 22.5" x 17"
77-0911-A	0.39'	2250°F	2 ea. 4 x 8.5" Perf. Flasks	8.5" x 8.75" x 9"	14" x 17.5" x 19.75"
77-0907	0.53'	2000°F	3 ea. 4 x 8.5" Perf. Flasks	8.5" x 9" x 12"	14" x 22.5" x 20"



**STAINLESS STEEL
CABINET**

ROMANOFF PROGRAMMABLE BURN-OUT FURNACE

The Romanoff heavy-duty programmable furnaces come in three sizes to fit any application. All sizes feature a built-in computerized furnace temperature controller. The programmable controller allows up to six segments or "ramps" to be pre-set. Each ramp consists of heating or cooling, temperature settings in F or C, and hold time for each "ramp". Also, a delayed start can be entered. Made in USA. 240v Available.

ITEM NUMBER	TOTAL CUBIC FEET	MAX TEMP.	FLASK CAPACITY	CHAMBER OPENING WxHxD	OUTER DIMS. WxHxD
77-0913	0.88'	1700°F	4 ea. 4x6" Perf. Flasks	13" x 13" x 9"	18" x 21.5" x 21.5"
77-0914	1.59'	2000°F	8 ea. 4x6" Perf. Flasks	14" x 14" x 14"	19" x 22" x 27"
77-0918	3.37'	1700°F	15 ea. 4x6" Perf. Flasks	18" x 18" x 18"	30.5" x 30.5" x 41.5"

ROMANOFF AIR PRESSURE WAX INJECTORS

Since 1949, Romanoff's line of wax injectors have been well known for their durability and heavyduty construction. Units come with easy to read air pressure gauges, gasket sealing covers, heated nozzles, 30 psi safety release valves, power indicator lights & a convenient spigot for easy drainage. Made in USA. 240v Available.

ITEM NUMBER	WAX CAPACITY	MAX TEMP.	DIMENSIONS
73-040	1-1/3 qts or 2.5lbs	250°F / 121°C	7.75" Diameter x 10" High
74-075	2-3/4 qt or 5 lbs	250°F / 121°C	10.5" Diameter x 14" High
74-057	4 qt or 8 lbs	250°F / 121°C	10.5" Diameter x 21" High

*All units are available with pre-installed optional manual hand pump upon request.

FOREDOM WAX CARVER KIT WITH 3 TIPS

CONTROL BOX

The compact control box has a precision heat control dial for setting and maintaining temperatures from 95°F (35°C) up to 560°F (294°C). You can keep it low for delicate work or turn it up for fast wax removal or carving harder waxes. Its flashing indicator light shows heat intensity and reminds you to turn it off when not in use. Only 2.5" x 2" (64mm x 51mm). The cords are also all removable for easy storage.

HANDPIECE

The handpiece has a super slim and lightweight design that is comfortable to hold with cork insulation to keep fingertips cool while working. The detachable handpiece cord is also lightweight and extremely flexible, perfect for the controlled movements needed for fine detailing in wax.

BRASS TIPS

The Foredom Wax Carver kit includes three easy to clean and change brass tips- knife, small spoon and straight taper.

74-002 - Foredom Wax Carver Kit with 3 tips 120v



	AQUA GREEN	TURQUOISE	RUBY RED	TUF GUY GREEN	FILIGREE PINK	SUPER PINK	FLEXIBLE BLUE	CARVABLE PURPLE
Flow	High	High	High	Medium	Medium	High	Medium	High
Flexibility	Medium	Medium	Medium	High	Medium	Low	Highest	High
Carvability	Low	Low	Low	Medium	Low	Medium	Medium	High
Shrinkage	Low	Low	Low	Low	Low	Low	Medium	Low
Memory	Medium	Medium	Medium	Medium	Medium	Low	High	Medium
Pattern Shelf Life	High	High	High	High	High	Medium	Highest	High
Readability	High	High	High	High	Medium	High	Medium	High
Solidification Time	Medium	Medium	Medium	Medium	Medium	Fast	Medium	Fast

FREEMAN FLAKE WAX

THE INDUSTRY STANDARD FOR QUALITY AND CONSISTENCY

For nearly 40 years, Freeman injection wax has been the industry standard for quality and consistency. The formulations are known for their high pattern detail, rapid wax solidification, minimal shrinkage, excellent flow and low ash content (.003%) enabling the cleanest burnouts and most accurate reproductions possible.

ITEM NUMBER	COLOR / SHAPE	TEMPERATURE
A 74-045-K	Flexible Blue Flake	68°C / 155°F
B 74-0601	Turquoise Flake	65°C / 150°F
C 74-060	Aqua Flake	65°C / 150°F
D 74-073	Tuf Guy Green Flake	73°C / 165°F

ITEM NUMBER	COLOR / SHAPE	TEMPERATURE
E 74-060	Filigree Pink Flake	68°C / 155°F
F 74-0609P	Super Pink Flake	65°C / 150°F
G 74-0602	Ruby Red Flake	65°C / 150°F
H 74-0265	Carvable Purple Flake	77°C / 170°F

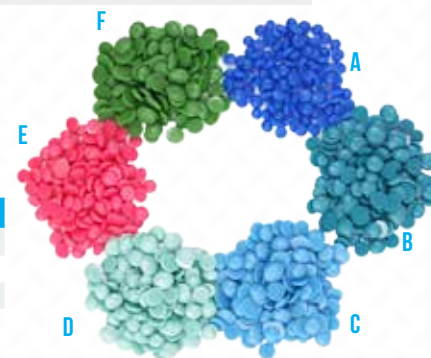


PELLET INJECTION WAX

The small, droplet form of pellet injection wax ensures consistent and exceptional results. Our pellet injection wax is available in a wide variety that will surely meet your specific needs. Economically priced.

ITEM NUMBER	COLOR / SHAPE	TEMPERATURE
A 74-045-P	Blue Hi-Flow Plastic-Ject Pellet	68°C / 155°F
B 74-0611	Turquoise Pellet	68°C / 155°F
C 74-0611-B	New Jersey Blue Pellet	68°C / 155°F

ITEM NUMBER	COLOR / SHAPE	TEMPERATURE
D 74-0600A	New Aqua Pellet	68°C / 155°F
E 74-0600-JECT	Magna-Ject Pink Pellet	70°C / 158°F
F 74-062-TG	Tuff Green Pellet	73°C / 165°F



YELLOW STICKY WAX

Yellow sticky wax is a quick setting adhesive which creates a rigid bond between two wax surfaces. Great for creating complex assemblies or attaching patterns to the sprue rod. Will not leave any residue or hinder melt out.

74-0603-KB Yellow Sticky Wax Beads - 1lb



KERR® ULTRA-WAXER 2™

The Ultra-Waxer is the standard and ultimate electronic waxer. With dual spatulas for increased productivity, convenient tip holder and easy to use menu functions, such as programmable presets and quick heat function. The Ultra-Waxer 2 is a dual voltage unit. Simply plug the correct Country specific power cord into the back of the unit. Includes 2 popular tips.

Temp range 97° F - 500°F (36° - 260° C)

70-457 Kerr Ultra-Waxer 2 Kit 120v / 240v



**INCLUDES
2 PENS**

CALL TOLL FREE TO ORDER: 1-800-221-7448



ROMANOFF

VARI-TEMP WAXER

This is the most powerful wax heating tool in the industry. Used industry wide, for wax sprueing & burning into rubber molds. Made in USA. 240v Available.

MAIN FEATURES

- Wide adjustable temperature range
- Heavy-duty 3' long black power cord with twist lock plug
- Heavy-duty hand-piece
- 3 most popular shaped wax tips, (broad spatula RED, round nose bent BLUE, and pointed nose bent YELLOW)

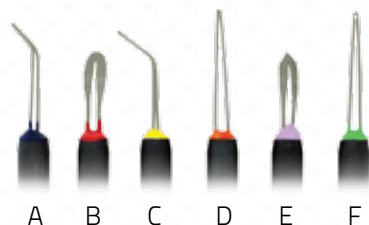
74-004 Vari-Temp Waxer - 3' Black Cord, Hand-Piece, & 3 Tips - 110v

74-004-WHI Vari-Temp Waxer - 3' White Flex Cord, Hand-Piece, & 3 Tips - 110v

ROMANOFF

VARI-TEMP TIPS

Compatible with all Vari-Temp Waxer machines.



	ITEM NUMBER	DESCRIPTION
A	74-069	Blue Dot-Bent, Round Tip
B	74-068	Red Dot-Broad Spatula Tip
C	74-070	Yellow Dot-Point Tip
D	74-072	Orange Dot-Narrow Tip
E	74-068-PURP	Purple Dot- Pointed Spear Tip
F	74-071	Green Dot-Fine Point Tip

ROMANOFF

VARI-TEMP HANDPIECES AND CORDS



Designed for All Vari-Temp models with twist lock plug and receptacle located on the front of the unit. Heat resistant sheathing will protect against accidental contact with the hot metal tip.

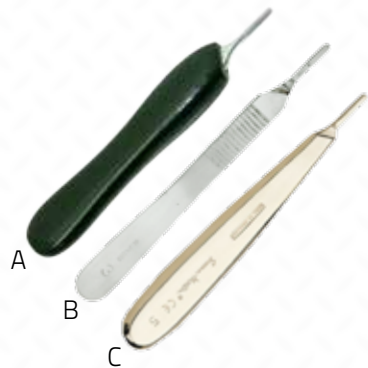
ITEM NUMBER	DESCRIPTION
74-005-P-HD	3' Black Heavy Duty Cord & Handpiece Only
74-005-SPL-R	3' White Fabric Cord & Handpiece Only



SWANN-MORTON SURGICAL BLADES

Founded in Sheffield in 1932, Swann Morton is the world leader in surgical blades, scalpels and handles. It is a name respected globally for quality, precision, consistency and reliability and recognized for combining traditional blade making skills with the latest technology 100 Blades per Box. Made in England.

	ITEM NUMBER	TYPE
A	73-025-10	10
B	73-025-10A	10A
C	73-025	11
D	73-026	12
E	73-025-14	14



SURGICAL BLADE HANDLES

The perfect companion to our selection of surgical blades. All of these handles are lightweight and designed with the user's comfort in mind. Available in both ergonomic plastic or durable stainless steel and designed to fit a variety of blades.

	ITEM NUMBER	DESCRIPTION	TYPE
A	73-032	Plastic Grip Handle	#45 USA
B	73-033	Stainless Steel Handle	#3
C	73-033-SM	Swann Morton Stainless Steel Handle	#5

ST. LOUIS MIXERS

TABLE TOP UNITS



ST. LOUIS MIXERS

HEAVY DUTY STAND ALONE



With the St. Louis Mixers, you can automatically mix and pour your investment in an enclosed see through mixing chamber. A very important feature of these units are, you are mixing and pouring investment under a controlled vacuum environment with vibration. This is a real time saver as you will not have to separate mixing, pouring and vacuuming operations. Since it is user friendly, anyone can be trained in a few minutes on how to operate these units.

TABLE TOP UNITS

ITEM NUMBER	POWDER CAPACITY	INVESTING FLASK	MAX FLASK HEIGHT	FLASK PLATE DIAMETER	DIMENSIONS
76-113-MINI	1 Kg	One	120 mm	100 mm	300 mm x 350 mm x 720 mm
76-113-4KG	4 Kg	One	200 mm	150 mm	300 mm x 350 mm x 950mm
76-115	6 Kg	Multiple	200 mm	280 mm	490 mm x 420 mm x 1050 mm
76-115-P	6 Kg Au + 3 Kg Pt	Multiple (gold or platinum)	200 mm Pt / 100 mm Au	280 mm	460 mm x 420 mm x 1050 mm

HEAVY DUTY STAND ALONE

ITEM NUMBER	POWDER CAPACITY	INVESTING FLASK	MAX FLASK HEIGHT	FLASK PLATE DIAMETER	DIMENSIONS
76-114	10 Kg	Multiple	200 mm - 350 mm	360mm	620 mm x 660 mm x 1700 mm
76-114-14XL	14 Kg	Multiple	350 mm	360mm	620 mm x 660 mm x 1700 mm
76-114-6XL	14 Kg Au + 6 Kg Pt	Multiple	150 mm	360mm	620 mm x 660 mm x 1700 mm
76-130	14 Kg - Auto	Multiple	350 mm	330mm	620 mm x 660 mm x 1700 mm
76-131	22 Kg	Multiple	400 mm	450mm	620 mm x 660 mm x 1700 mm + 470 mm x 950 mm x 1000 mm

ROMANOFF

INVESTMENT BLASTER CABINET

The Romanoff built investment blaster cabinet delivers 1500 PSI from it's internal pressure oil pump and motor. It has an adjustable nozzle, and is constructed of heavy-duty polypropylene and welded seams. Your hands are protected by flexible heavy duty rubber gloves. Made in USA.

Z50-002-R Investment Blaster Cabinet - 110V

Z50-002A-R Investment Blaster Cabinet - 220V



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ROMANOFF

PNEUMATIC SPRUE CUTTER WITH FOOT PEDAL

ONE OF THE HIGHEST QUALITY IN THE WORLD

This unique, down stroke pneumatic sprue cutter is one of the highest quality in the world. The power of this unit is maximized by a short stroke piston. The cutting blades are made of high quality tool steel and may be re-sharpened, unlike many other blades!

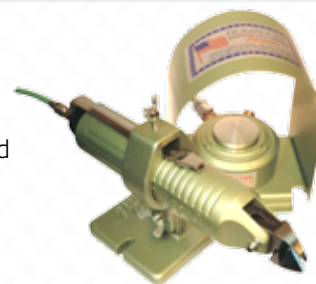
79-062-G



NILES #35 PNEUMATIC SPRUE CUTTER

An excellent pneumatic sprue cutter with exceptional flexibility. This cutter is light enough to be held by hand, but comes supplied with a base for permanent mounting and is operated by a foot pedal. Four styles of blade are available. This fine pneumatic sprue cutter is supplied with a standard flat blade, original hose and heavy duty foot pedal. Cutting capacity up to 4mm sprue in yellow gold. Made in Japan

Z16-532 Niles #35 Pneumatic Sprue Cutter



This hardened steel blade is less likely to chip than carbide blades.

Z16-533-4 Niles S7P Replacement Blade



Carbide blades stay sharper longer than hardened steel blades.

Z16-533-6 Niles Z8P Replacement Blade

BERGEON

HEAVY-DUTY SPRUE CUTTER



The pressure of this cutter is multiplied many times by the unique linkage that is built into the cutter. Imported from Switzerland, this is the finest cutter of its kind. What was once a time consuming job can now be done in seconds. 10.5" long (267mm) Cutting capacity up to 2.6mm sprue in yellow gold

79-064 Bergeon Heavy-Duty Sprue Cutter

79-064A Replacement 22mm cutting edge blade

MAXI-SHEAR ORANGE SUPER FLUSH CUTTER



The Maxi Shear Flush Cutters feature a patented cutting action which means it is tough enough to cut sprues and precise enough to cut a human hair with a perfect flush cut. 5.8" long (148mm) Cutting capacity up to 2.1mm sprue in yellow gold. Made in USA.

P3-108-6R Maxi-Shear Orange Super Flush Cutter

6-GALLON SILENT AIR COMPRESSOR

Unit includes a tank and line pressure gauge, line pressure regulator, moisture trap-filter-gauge, safety valve and air intake filter. This unit is quiet in operation with a simple automatic control. Oil-less operation. It is important to note, all air lines must be tight and leak free or the unit will run continuously and may eventually over-heat.



ITEM NUMBER	CAPACITY	WATTAGE	AIRFLOW	MAXIMUM PRESSURE	NOISE	DIMENSIONS	VOLTAGE
81-0074-R	6 Gallon	600 Watts	118 Liters Per Minute	8 Bar	52 Decibels	16" x 16" x 21"	110 Volts

ROMANOFF

J-FORMULA

TWO PART PLATINUM INVESTMENT

Romanoff's J-Formula Platinum Investment is used by most of the best platinum casters. It is proven to produce smooth, superior, and consistent castings flask after flask resulting in reduced rework and finishing. Binder and complete instructions are included in every drum. Original J-Formula produces the smoothest finish, Orange Label can be ready to cast in 6 hours and Blue Label produces the strongest mold. Hazmat

ITEM NUMBER	DESCRIPTION
Z14-305-50J	Original J-Formula Platinum Investment - 50 lb (22.7 kg)
Z14-305-606A	J-Formula "606" Orange Label Binder Investment - 50 lb (22.7 kg)
Z14-305-606C	J-Formula "606" Blue Label Binder Investment - 50 lb (22.7 kg)
Z14-305-16J	Original White Label J-Formula Binder Only - 16 oz
Z14-305-16J1	Orange Label J-Formula Binder Only - 16 oz
Z14-305-16J2	Blue Label J-Formula Binder Only - 16 oz



ROMANOFF

J-BREAK

PHOSPHATE BONDED INVESTMENT REMOVER

Romanoff's J-Break will remove any phosphate bonded platinum investment (like "J" formula), in less than 30 minutes. It is no longer necessary to use dangerous hydrofluoric acid for this purpose. Because it is reusable, this is a very economical product. Requires low heat. Hazmat

ITEM NUMBER	SIZE
80-137-1CAR	1 Gallon
80-137-5CAR	5 Gallon



ROMANOFF

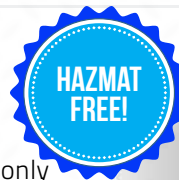
FAST CAST

#1 SOLUTION FOR SAME DAY PLATINUM INVESTMENT CASTING

Fast Cast was designed and formulated with simplicity and cost in mind. With only a four hour burn-out cycle, Fast Cast allows same day casting of high temperature metals such as platinum and stainless steel. Fast Cast has excellent expansion resistance strength, which will allow you to burn-out RP materials that are normally not casting friendly. Available in Full Kits, or Economy Size.

Z14-305-FC Full Kit Contains - 750 ml of pre-mixed working solution, 3 kgs of powder, Inner flask inserts, Square bases for tree, Wax Sprue bases, Sealing Wax (makes 6 standard 3 x 3" flasks)

Z14-305-FC25 Economy Kit Contains - 80 oz Concentrate Solution, and 25 lbs. of powder



ROMANOFF

DELUXE ROMA-VAC

TABLE TOP CASTING & VACUUMING SYSTEM

The Romanoff Roma-Vac System is a convenient table-top unit which offers a combination of investing and casting under vacuum. This casting machine can accept a large flask up to 5" x 8" diameter flasks. It has a compact table top design and solid aluminum casting chamber. Includes 1/2 hp (3CFM Vacuum Oil Pump) and accessories shown. Made in USA.

ITEM NUMBER	DESCRIPTION
77-0465-PER	Deluxe Roma-Vac /110V
77-0465A-PER	Deluxe Roma-Vac /220V



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1070 HIGH SPEED ROTARY MICROMOTOR KIT

For high speed applications up to 38,000 rpm including light deburring of cast pieces, bright cutting in jewelry making and fine detailing in wood. Kit includes control box, handpiece with 3/32" collet, variable speed foot control, handpiece cradle, spare pair of motor brushes, spare fuse and collet changing wrenches. The control converts AC current to DC current required for the handpiece. Compared to flexible shaft machines, micromotors have less torque, however, their higher speed results in a comparable rate of material removal with a lighter touch. Unlike the "drag" and general restriction in movement that you have with a shaft and sheath, micromotors offer much greater freedom of movement. Made in USA. 220v Available.

71-630 Foredom - Micromotor Kit 1070 High Speed Rotary



FOREDOM

BRUSHLESS KITS

Kit includes control box with digital display, handpiece with 2.35mm (3/32"), variable speed foot pedal, handpiece cradle, and extra fuse. Brushless motor design carbon brushes NEVER need changing. Brushless motors are ideal for all applications at high, medium, and low speed. Additional kits are available with a variety of handpieces to suit your needs. Made in USA. 220v Available.

A. 71-635 Foredom Dual Handpiece Brushless Kit - 2.35mm (3/32") Collet Rotary Brushless & Hammer Brush Type
B. 71-650 Foredom Brushless Kit - High Torque & Speed - 2.35mm (3/32") Collet (not shown)



FOREDOM

FLEX SHAFT MACHINES WITH FOOT PEDALS

Foredom's most popular 1/6HP motor is teamed up with either an SCT or an FCT foot pedal. Foredom's 1/6 HP, universal, flexible shaft machine runs in forward and reverse rotation at speeds up to 18,000 RPM. The SR combines the most important features our customers expect—power, reversibility, reliability, and versatility— all into one motor. Both foot pedals offer the user the smooth control they need with a non-skid material along the bottom to prevent slippage. The SCT foot pedal is made of a heavily, more durable material than it's FCT counterpart. Made in USA. 220v Available.

A. 71-101 Foredom SR Flex Shaft Machine With SCT Foot Control & Reverse
B. 71-101-1 Foredom SR Flex Shaft Machine With FCT Foot Control & Reverse



FOREDOM

FLEX SHAFT MACHINES WITH KIT

Our prepackaged tool kits take the guess work out of product selection. Offering the best value and featuring smart tool combinations for specific applications. They contain just about everything you need to get to work— motor, speed control, handpiece and accessories. When purchased with an optional motor hanger, you are ready to go straight out of the box! This picture kit features an SR Series motor, an FCT foot pedal, a H.20 handpiece, flexible shaft grease, and a forty-three piece accessory kit. Additional kits are available with a variety of handpieces and accessory kits. Made in USA. 220v Available.

71-092 Foredom SR Motor With H.20 Quick-Change Handpiece Flex Shaft System



CHAIN NOSE SMOOTH JAW PLIERS

For straightening and holding, with smooth, wide jaws.

P3-101

ROUND NOSE PLIERS

These round nose pliers have smooth jaws that taper to 1/32" (0.8mm).

P3-102

CHAIN NOSE PLIERS WITH CURVED TIPS

Comes complete with leaf springs, and jaws taper at the tips.

P3-103

SLIM LINE FLAT NOSE GERMAN PLIERS

These flat nose pliers have smooth jaws that taper at the tips. For holding and manipulating flat pieces.

P3-106

SLIM LINE CHAIN NOSE GERMAN PLIERS

These pliers have smooth jaws that taper at the tips with beveled jaw edges to prevent marring of soft wire. Used for bending, gripping, and manipulating wires.

P3-107

LONG CHAIN NOSE SMOOTH JAW PLIERS

These smooth jaws taper at the tips, ideal for bending, gripping, and manipulating wires.

P3-111

LONG CHAIN NOSE PLIER SERRATED JAW

These jaws are serrated, and taper at the tips. Ideal for bending, gripping, and manipulating wires.

P3-112

STRAIGHT NYLON JAW PLIERS

Made of polished stainless steel with PVC grips and box-joint construction for extra leverage.

P3-136

PARALLEL PLIERS

The jaws of parallel pliers open and close uniformly. They have a box joint movement, which is essential for closing prongs, channels, and any type of work evenly.

P3-141



LINDSTROM PLIERS

The 80's Series World Renown Lindstrom double leaf spring loaded cutters are made from hardened high-grade Swedish steel. The ergonomically designed handles are excellent for close cutting prongs, spruces, and ultra-access areas.



ITEM NUMBER	LENGTH	JAW DIMENSIONS	STYLE	DESCRIPTION
P3-199	4.33" (110mm)	3/8" (10mm)	#8140	Micro-Bevel
P3-202	4.33" (110mm)	3/8" (10mm)	#8141	Flush Cut
P3-2025	4.33" (110mm)	3/8" (10mm)	#8142	Ultra-Flush
P3-201	4.43" (122mm)	1/2" (12.5mm)	#8150	Micro-Bevel
P3-200	4.92" (125mm)	5/8" (16mm)	#8160	Micro-Bevel



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HYDROFLUX WELDER TORCH SYSTEM

Self-contained, economical to operate, light weight, soldering system which can operate in conditions where bottled gas is not permitted/wanted, such as shopping centers, malls, apartments and private homes. The HydroFlux Welder is an oxygen-hydrogen generator that operates by converting distilled water into fueled gas. The HydroFlux Welder creates gas on a demand basis. The eight hypodermic needles will produce a pinpoint flame to a broad flame for different soldering applications. The pure high heat of up to 4850°F (2677°C) can solder platinum easily. Can be used with two torches simultaneously. Made in USA. 220v Available.

TO-102 Hydroflux Welder Torch System - 110v
System Includes: Torch, 8 pc needle torch tip set, flux, electrolyte solution and cotton



SMITH LITTLE TORCH STARTER KIT

IDEAL FOR JEWELRY REPAIR AND MANUFACTURING

The Smith Little Torch has unmatched flexibility that produces a pin-point flame from the size of a pin-head to a flame large enough to cast up to 3 ounces of gold or silver. Oxygen and Natural gas. Made in USA.

TO-107 Smith Little Torch Starter Kit Includes: 5 different size copper tips and 8 ft of hose.

HOKE TYPE TORCHES



This style torch has convenient finger tip control valves and a selection of tips, allowing the jeweler to select a pinpoint or a large brush flame. Overall length is 9" and requires a 1/4" hose.

ITEM NUMBER	GAS TYPE
TO-100	Oxygen & Natural Gas
TO-101	Oxygen & LP Gas

THIRD HAND TWEEZERS WITH BASE



Third hand tweezers, which are mounted onto a heavy base, allow the jeweler more flexibility when soldering.

H4-1105 Third hand tweezer with Base

ROMANOFF PICKLE POTS



Pickle pots are used to safely heat pickle solutions. The 140°F preheated solutions are used for removing fire scale and oxidation from gold, silver, brass, and most non-ferrous metals. The units include a plastic basket for holding pieces and have a red indicator power light. 110v Made in USA.

ITEM NUMBER	SIZE
80-150	12 Oz
80-151	14 Oz

ROMANOFF PICKLE-SAFE COMPOUND



Romanoff Pickle-Safe is a dry compound for cleaning and removing surface oxidation from gold, silver, copper, and other non-ferrous metals. Produces a clean, bright surface without affecting the tolerance of the metal. Works well at room temperature, and best at 140°F

80-099 5lb. canister - Pickle-Safe Compound

80-099D 50lb. box - Pickle-Safe Compound

PRO EVO TABLE TOP LASER

THE MOST ADVANCED BENCH TOP LASER WELDING SYSTEMS TO MATCH ANY POCKET BOOK

The Romanoff line of Table Top Lasers, are the most cost effective lasers available. They out perform larger welders and are simple to operate with it's "Plug & Go Styling". With little effort, superior laser welds on gold, platinum, titanium, stainless steel and silver are easily achievable. Leica optics and a maintenance free stereo microscope, simple joystick control. The EVO 120 Joule is recommended for continuous silver welding applications.



WHAT IS LASER WELDING?

Laser Welding is the fusing of metals using light as the energy source. Laser is the acronym meaning "Light Amplification by the Stimulated Emission of Radiation." Use of a beam of light (1064 nm wavelength) will fuse metals together, almost instantaneously.

WHAT ARE THE BENEFITS LASER WELDING?

Laser welders allow the user to assemble or repair jewelry, or any metal items, quickly, and efficiently. The heat zone is very minute, allowing you to apply heat in areas you normally wouldn't with a torch, near gemstones, springs, enamels, antiques, etc. The weld is three times stronger than solder, and there is no fire scale, boraxing or pickling. Preparation of work is minimal and clean up can be done with a rubber wheel and an ultrasonic. Jewelers are at least 50% more productive with a laser welder.

	PRO EVO TABLE TOP LASER LZ-5500	PRO EVO TABLE TOP LASER LZ-5125	PRO EVO LASER WITH CAMERA LZ-5130	PRO EVO LASER WITH CAMERA 79-500-D3
Power Supply	Single Phase 115 - 230 V-15A	Single Phase 115 - 230 V-15A	Single Phase 115 - 230 V-15A	Single Phase 115 - 230 V-15A
Max Pulse Power	100j / 20mS	125j / 25mS	100j / 20mS	125j / 25mS
Peak Pulse Power	4.8KW	5KW	4.8KW	5KW
Average Power	55W	60W	55W	60W
Frequency Range	0.5Hz - 15Hz	0.5Hz - 15Hz	0.5Hz - 15Hz	0.5Hz - 15Hz
Spot Size	0.3mm - 1.5mm	0.3mm - 1.5mm	0.3mm - 1.5mm	0.3mm - 1.5mm
Memory Stations	32	32	32	32
Preset Pulse Shaping	5	5	5	5
Optics	Leica 10X Stereo Microscope	Leica 10X Stereo Microscope	Leica 10X Stereo Microscope	Leica 10X Stereo Microscope
Dimensions (WxDxH)	20" x 27" x 14"	20" x 27" x 14"	20" x 27" x 14"	20" x 27" x 14"
Weight	32Kg	32Kg	32Kg	32Kg
Warranty	1 Year / 2,000,000 Shot	1 Year / 2,000,000 Shot	1 Year / 2,000,000 Shot	1 Year / 2,000,000 Shot

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YELLOW BUFFS

Yellow Buffs have been specially treated so that they are stiffer and will last two to three times longer than their white counterparts. They are well suited for first stage polishing with cutting compounds such as tripoli, white diamond, and greystar. They are an 80/86 weave with a leather center.



ITEM NUMBER	DIAMETER	PLY
89-0844	4"	30
89-094	4"	50
89-0955	5"	30

ITEM NUMBER	DIAMETER	PLY
89-095	5"	50
89-096	6"	30
89-097	6"	50
89-098	6"	60

WHITE BUFFS

White Muslin Buffs are made of the finest quality cotton material. They have an 80/80 weave and leather center. They are most commonly used for final polishing with red, green, and other final finish polishing compounds.



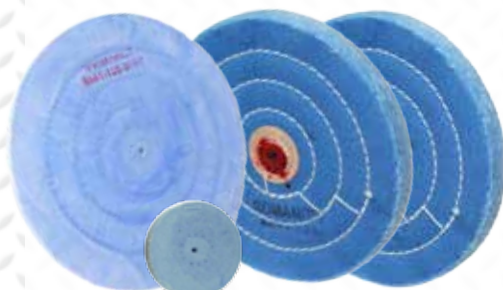
ITEM NUMBER	DIAMETER	PLY
89-050	4"	30
89-061	5"	50
89-052	4"	40
89-053	4"	50
89-056	4"	60

ITEM NUMBER	DIAMETER	PLY
89-058	5"	30
89-054	5"	40
89-064	6"	30
89-068	6"	50
89-070	6"	60

BLUE HI-SHINE PLATINUM AND SUPER SHINE BUFFS

Romanoff's Blue Hi-Shine Buffs are specially treated to give a uniformly high shine on any metal, especially platinum and white gold. They will not leave drag marks or fine scratches.

Super Shine Blue Buffs are impregnated with rouge to ensure the highest possible luster on all metals especially platinum, silver and white gold.



Super Shine

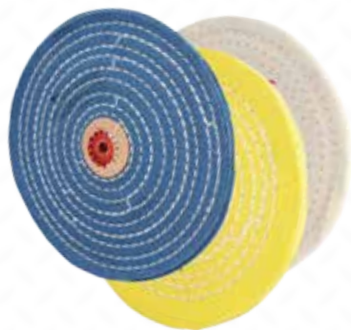
Hi-Shine Platinum

ITEM NUMBER	DIAMETER	PLY
89-061-B	5"	50
89-064-B	6"	30
89-068-B	6"	50
89-070-B	6"	60

ITEM NUMBER	DIAMETER	PLY
89-064-BI	6"	25
89-451-BI	1"	16

RAZOR EDGE BUFFS

The Romanoff Long Lasting Blue Buff is specially treated to give a uniform high shine on all metals, especially Platinum, White Gold, and Silver. The Yellow Buff is for the first cut and removal of the outer rough surface, prior to the final Polish. The White Buff is soft for the final finish. All razor edge buffs are 16 ply, stitched, and with a leather center.



ITEM NUMBER	DIAMETER	PLY	COLOR
89-084-B	6"	16	Blue
89-084	6"	16	Yellow
89-080	6"	16	White

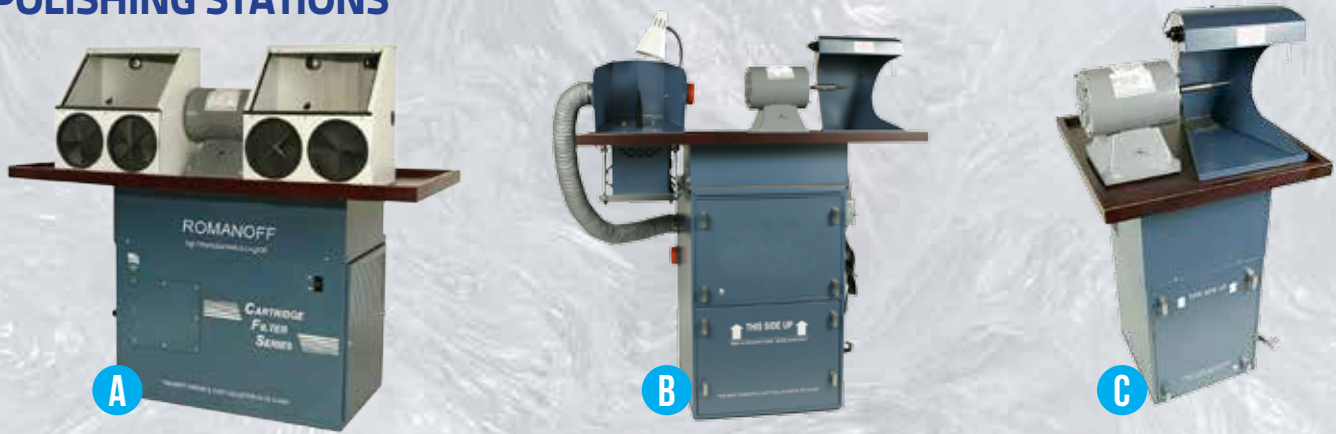
FELT INSIDE RING BUFFS

Romanoff felt sticks are made from high grade wool felt, which is permanently mounted to a tapered wood mandrel. They can be used for cutting and polishing the inside of rings and curved surfaces with various polishing compounds. Felt sticks are placed onto a tapered spindle from a polishing motor.



ITEM NUMBER	STYLE	DIAMETER	LENGTH	FINGER SIZE
89-550	Mens	11/16" x 1"	5"	8-17
89-530	Ladies	5/8" x 7/8"	4" (Firm)	8-11
89-510	Ladies	9/16" x 3/4"	3"	5-10

POLISHING STATIONS



Available in a variety of configurations, Romanoff offers several stand-up polishing stations. The double hood polishing system, single motor stations, combination polishing motor and split lap stations are available as well.

Made in USA. 110V or 220V Available.

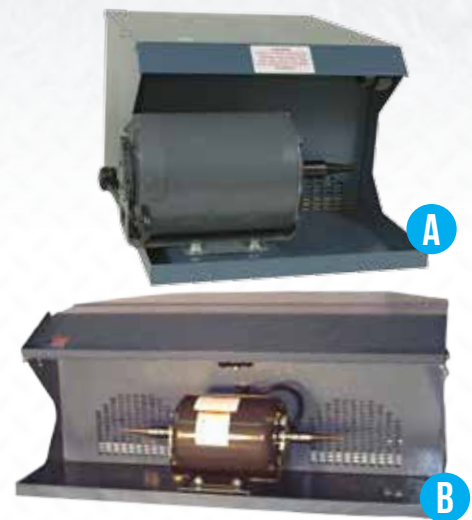
ITEM NUMBER	DIMENSIONS	CFM	POLISHING MOTOR	DUST COLLECTOR	WEIGHT
A 87-006	48" x 24" x 43"	1100	1/2 Horsepower	1/2 HP, 100V / 220V	247lb
B 87-008	48" x 28" x 56"	1000	3/4 Horsepower	1 HP, 110V / 220V	260lb
C 87-009	48" x 24" x 24"	400	3/4 Horsepower	1/2 HP 110V / 220V	187lb

TABLE TOP DUST COLLECTORS

Conveniently sized and surprisingly powerful, our table top dust collectors come in a variety of sizes. Choose from either a single spindle or double spindle design, both of which feature a 1/2HP motor. Large intake openings positioned behind the arbor shafts, so that even the largest size buff can be used. Dust, lint, polishing powders, filings, etc. are quickly removed from the air, thereby keeping your store or shop clean.

Made in USA. 110V or 220V Available.

ITEM NUMBER	DIMENSIONS	CFM	POLISHING MOTOR	WEIGHT
A 87-004	13.25" x 18.5" x 9.75"	165	1/2 Horsepower	47lb
B 87-003B	32.5" x 22" x 12"	465	1/2 Horsepower	85lb



ROMANOFF E-Z VIEW / E-Z SAND BLASTER

The Romanoff manufactured E-Z View / E-Z Blaster features a one piece polymer cabinet which will never rust or leak, adjustable pressure regulator and gauge, will automatically recirculate blasting media, self-cleaning replaceable ceramic nozzle (extra's included), bright light for easy viewing, large access area & double filter bag to insure clean dust free working area, interior steel tray for laying your work out and a rubber stopper located at the bottom of the cabinet for fast and easy removal of the blasting media.

Made in USA. 220V Available

ITEM NUMBER	HANDS	VOLTAGE
A 48000-R	1	110V
B 48000-R-2	2	110V



ELMA ULTRASONICS

EFFECTIVE AND EFFICIENT

Ultrasonic cleaning is one of the most modern processes today that effectively and efficiently removes dirt and other contamination in the shortest time and without damage from many different products to be cleaned. Made in Germany.

MAIN FEATURES

- Electronic diode display for time and temperature
- Auto-start temperature control / temperature selection
- Permanent sweep for an improved cleaning performance
- Brushed stainless steel cavitation-resistant tanks with calibrated fill level
- Micro-processor controlled 37 KHz transducer power, self-regulating generator
- Ceramic heating elements tested and absolutely dry run proof
- Safety switch/off
- Available in 220V by special order



ITEM NUMBER	LIQUID CAPACITY	INSIDE TANK SIZE	OVERALL DIMENSIONS	WEIGHT
81-200-SS	1.75L / 0.50 gal.	6 x 5.5 x 4"	7 x 7.5 x 9"	4.5 lbs
81-210-SS	2.75L / 0.75 gal.	9.5 x 5.5 x 4"	12 x 7 x 8.5"	6 lbs
81-220-SS	5.75L / 1.50 gal.	12 x 6 x 6"	14.5 x 7.5 x 10.5"	10 lbs
81-235-SS	12.75L / 3.50 gal.	12 x 9.5 x 8"	14.5 x 11 x 12.5"	15 lbs
81-240-SS	18.00L / 5.00 gal.	13 x 12 x 8"	15.5 x 13.5 x 12.5"	18 lbs
81-250-SS	28.00L / 7.50 gal.	20 x 12 x 8"	22.5 x 13.5 x 12.5"	22.5 lbs



RUBBER COATED STEAM TWEEZERS



ITEM NUMBER	SIZE
80-225	8"
80-226-HD	10"
80-227	12"

Used for holding jewelry while steaming and rinsing in an ultrasonic without marring the surface.

ULTRASONIC RACKS

Heavy-duty, vinyl-covered racks has twenty hooks for holding jewelry for ultrasonic cleaning to be cleaned.

Z49-101 Ultrasonic Rack With 14" Adjustable Height Handle
Z49-102 Modular Ultrasonic Rack Add-On



BCR PLUS ULTRASONIC SOLUTION

ITEM NUMBER	SIZE
80-098	1 Gallon
80-098-4GL	4 Gallon
80-098-19	19 Gallons



BCR (Buffing Compound Remover)

Cleaning Solution: Jewelry industry standard for removal of buffing compounds such as rouge and tripoli. Works well with gold, silver, platinum, stainless steel, brass, etc. May also be used as a heated soak cleaner up to 140°F (60°C). 8 to 1 mix ratio.

HOFFMAN STEAM MACHINES

Our steam machines are very efficient, reliable, and operate by electronic foot pedal and solenoid. Both units are UL, CUL, and ASME approved. They feature outer stainless steel cabinets to eliminate rust, automatic low water cutoff, energy efficient heating elements, adjustable thermostat, safety valve, and water level sight glass. These units will produce 70lb to 90lb of consistent steam pressure. The 6 gallon model will automatically replenish the boiling system to ensure consistent steam pressure throughout the work day. Made in USA.

ITEM NUMBER	DESCRIPTION	SIZE	POWER
81-002-R	2 Gallon Steam Cleaner Machine	14" x 14" x 14"	110v
81-004-B	6 Gallon Automatic Steam Unit - 9KW Heating Element	24" x 36" x 23"	220V, 3-phase, 60Hz
81-004-C	6 Gallon Automatic Steam Unit - 9KW Heating Element	24" x 36" x 23"	220V, 1-phase, 60Hz



RELIABLE STEAM CLEANERS

Available in three different models, each machine features a adjustable nozzle and foot pedal. The four safety systems include a pressure switch, probe safety thermostat on the heating element, safety cap with safety valve, and an automatic low water shut-off. Users will enjoy it's attractive stainless steel design. Each unit comes with a one year manufacturer's warranty and a lifetime warranty on the tanks. Made in Italy. 220 Available



ITEM NUMBER	STEAM TIME	TANK CAPACITY	MAX PSI	WORKING TIME	DIMENSIONS
81-012-JR	2 hours - 3 hours	2.5 Liters	50 PSI	10 minutes - 15 minutes	14" x 8.75" x 11"
81-012	4 hours - 5 hours	4.7 Liters	65 PSI	15 minutes - 20 minutes	13" x 8.75" x 15"
81-013	8 hours	9 Liters	70 PSI	30 minutes - 45 minutes	12.5" x 14.25" x 20.5"

SWISS ADJUSTABLE SAW FRAME



The Swiss made adjustable saw frame is light weight, perfectly balanced in design with steel body and comfortable soft rubber grips. Aluminum inserts allow for easy loading of saw blades.

95-105 Swiss 2.75" Depth Adjustable Saw Frame

GERMAN ADJUSTABLE SAW FRAME



German adjustable saw frames are made from flattened steel, with hardwood handle and thumbscrews.

ITEM NUMBER	DEPTH
95-100	3"
95-110	2.5"
95-113	3"
95-114	4"

JOBBER HIGH SPEED TWIST DRILLS



These high speed twist drills are precision ground to an exacting standard. Excellent for all metals. Available in sizes ranging from 0.32mm to 1.40mm diameter. Each tube contains 10 drills. Made in UK.

90-230-80 to 55 Jobber High Speed Twist Drills

ROMANOFF MAGNETIC TUMBLERS

SMALL, MEDIUM AND LARGE - THE SIZE YOU NEED

Romanoff Magnetic Tumblers eliminate the use of harmful bombing chemicals, remove oxidation, and will brighten and polish your pieces in less time than other conventional tumblers. Magnetic tumbling reduces finishing time without removing metal. It's a must for stone-in-place castings, filigree, and other impossible to reach places. 220v available Made in USA.

ITEM NUMBER	BOWL CAPACITY	BOWL DIAMETER	OVERALL DIMENSIONS	WEIGHT
82-268-USA	5 - 10 Rings	5.25"	7" x 7" x 10.5"	19 lbs
82-270-USA	85 - 100 Rings	8.5"	12" x 12" x 15.5"	61 lbs
82-277-USA	250 - 300 Rings	11"	16" x 16" x 15"	91 lbs

ROMANOFF LARGE - MAGNETIC TUMBLER



A heavy-duty, well-built tumbler. It is designed to produce a high polish in a short period of time. It features an automatic auto-reverse function, useful when tumbling large quantities to ensure a uniform finish on both sides of the product. Features a 60 minute timer, variable speed control up to 3,200 RPM, a power indicator light, and protective fuse.

ROMANOFF MEDIUM-MAGNETIC TUMBLER



Designed for the busy jewelry store or small manufacturer. It features a 60 minute timer, single speed of 2,800 RPM, a power indicator light, and protective fuse.

BONUS KIT INCLUDED WITH ALL TUMBLERS



- Stainless Steel Pins
- Magic Blue Liquid Soap
- Tumbling Powder Soap
- Acrylic Bowl

ROMANOFF MINI-MAGNETIC TUMBLER



A little workhorse. It features a 60 minute timer, variable speed control up to 2,000 RPM, a power indicator light, and protective fuse.

MAGNETIC MEDIA SEPARATOR

EXTRA LARGE BARREL DESIGN



This separator eliminates the tedious separation of parts from media. This separator can even be placed into water to separate parts. There is no need to drain the water, as the separator will not rust. It's so easy to use, just place the head piece over the pins to pick them up and then pull the trigger to release them.

82-273-G1 Magnetic Media Separator

MAGNETIC TUMBLING PINS

Our magnetic pins and spheres are made of the highest quality stainless steel. Our pins have polished ends as opposed to lower priced cut wire which will scratch the surfaces of jewelry. They are produced in Japan and will outlast all other similar media. Sold in 250g Bottle



ITEM NUMBER	SIZE
82-273	0.5mm X 5mm
82-2733-4	0.4mm X 5mm
82-2733	0.3mm X 5mm
82-2733-2	0.2mm X 5mm
82-2733-3	0.3mm Spheres

ROMANOFF

SUPER EMP FINISHING SYSTEM

THE NEW ROMANOFF EMP SYSTEM USING ELECTRO-MAGNETIC PROPULSION

The main difference between EMP technology and traditional rotational energy found commonly with magnetic tumblers is EMP technology utilizes concentrated electromagnetism and propulsion to thoroughly and uniformly mix the stainless steel media and parts in a vertical motion at an accelerated speed. Whereas rotational energy, commonly found with today's magnetic tumblers only occurs at the base of the barrel at a significantly reduced speed.

- Produce a high polish in only 10 - 20 minutes.
- Burnishing all metal surfaces, including stainless steel and chrome cobalt to a high polish.
- Casters can now load full casted trees into the processing chamber to remove fire scale, investment powder and oxidation from the metal surfaces, which allows the metal to be re-casted and reduce refining costs.
- Container diameter 175 x 398mm
- 99 minute timer with automatic forward and reverse motion
- Dimensions are 650W x 740D x 920H
- Weight 485 lbs.
- 240v / 3ph (1ph step up phase converter is available)



**SPECIALLY FORMULATED
ALL IN ONE EMP SOAP**
PRODUCT SKU: **82-280-SP**

BEFORE



10 MINUTES LATER



MAGNETIC TUMBLING POWDER SOAP CONCENTRATE



Our magnetic powder soap works well by itself or can be mixed with our magic blue soap. This powder is slightly abrasive, and will brighten and smooth semi-rough surfaces.

80-0975 5 lbs Can Magnetic Tumbling Powder Soap Concentrate

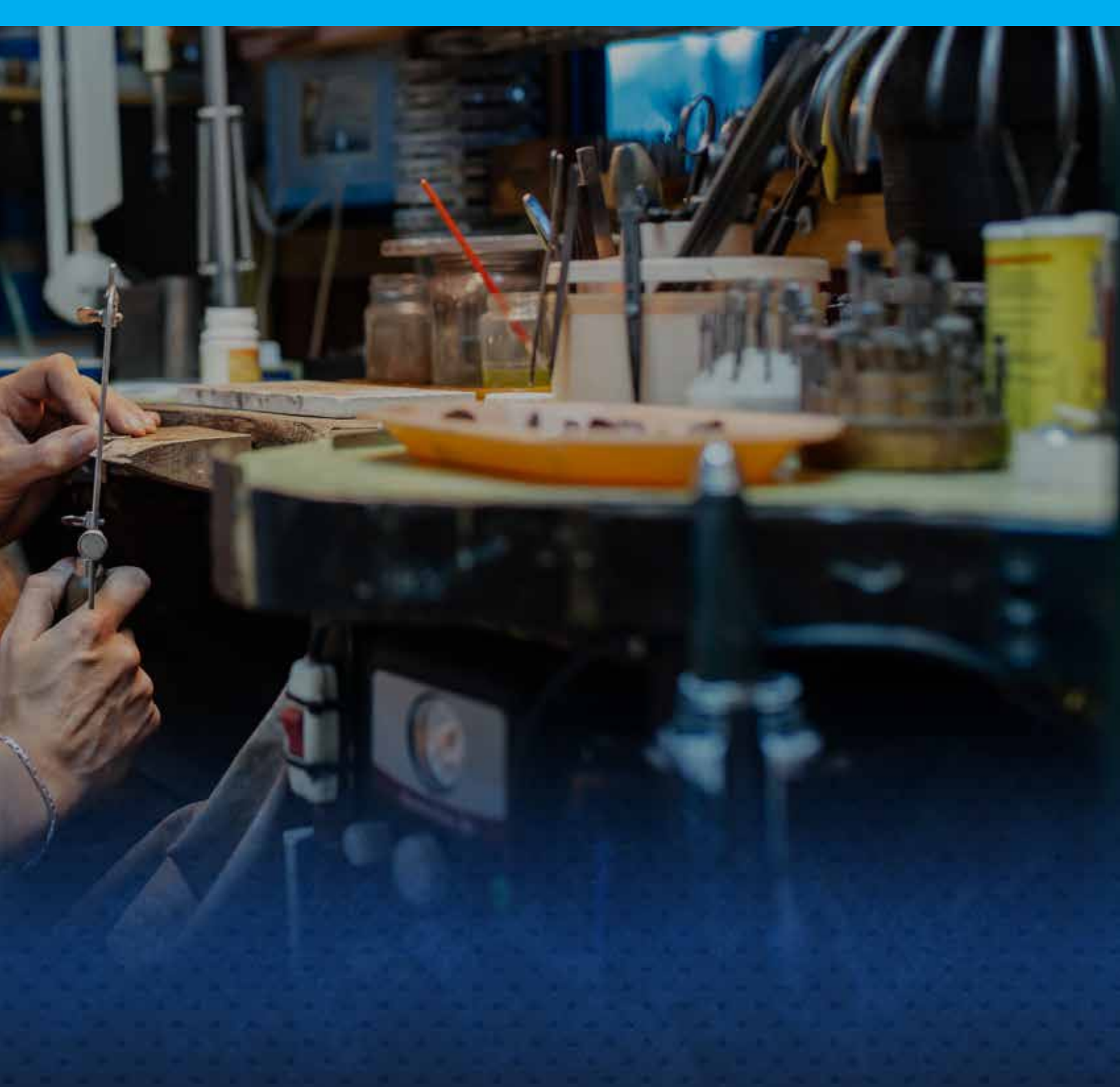
MAGIC BLUE CONCENTRATED CLEANER

A popular liquid concentrate, commonly used in combination with our magnetic powder soap to produce a high polish. It has a high concentration of 10:1 and can also be used as an ultrasonic solution.

80-0985-GL 1 Gallon Magic Blue Concentrate



CALL TOLL FREE TO ORDER: **1-800-221-7448**



Since 1949

ROMANOFF INTERNATIONAL SUPPLY CORPORATION
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AMITYVILLE, NY 11701 USA

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