

Eisinger® Soldering Dispenser

28-707

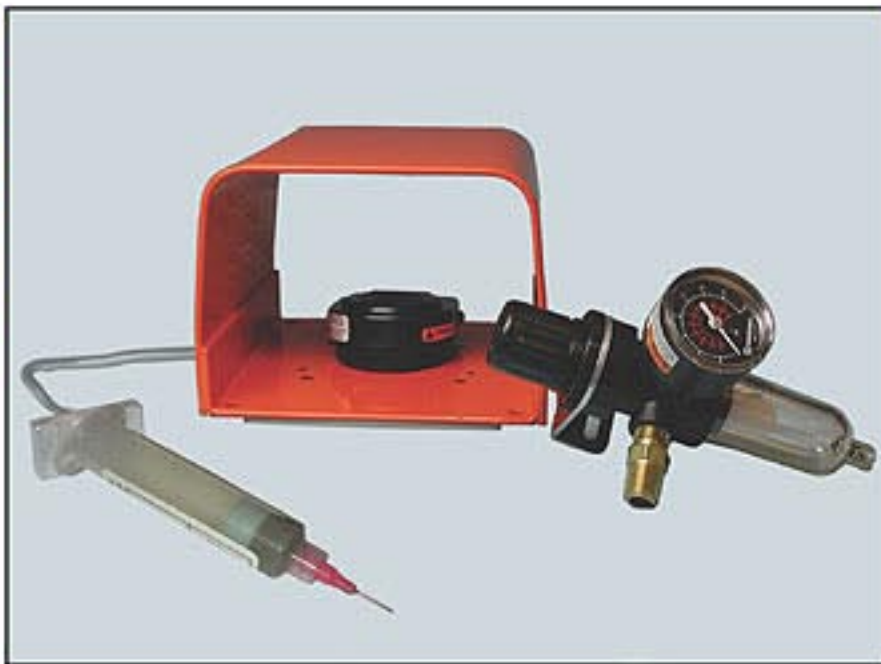
Solder dispensers are used in production to make the application of paste solder, enamel or glue, fast and simple. A 10dwt (15.5g) syringe fits into the receiving head and up to 100psi air pressure is used to dispense solder quickly and accurately.

Uses a foot pedal to dispense solder as long as the foot pedal is depressed. Includes filter/regulator, foot pedal, receiving head and airline.

Requires a compressor, see page 130.

SPECIFICATIONS:

Dimensions: 6¹/₄" x 6³/₄" x 3¹/₄"
(165 x 165 x 89mm)
Shipping weight: 4lbs (2kg)



Joyal™ Tacking Machine

28-055

High production, quick charging unit for tacking for pre-soldering assembly. Eliminates binding wire or messy pastes. Will not work on silver. Includes handy model A tweezer. Shipped in 2 parts.

SPECIFICATIONS:

Dimensions: 14" w x 8" d x 16" h (355 x 205 x 405mm)
Energy: 110v, 10 amps, 50/60hz
Shipping weight: 64lbs (29kg)

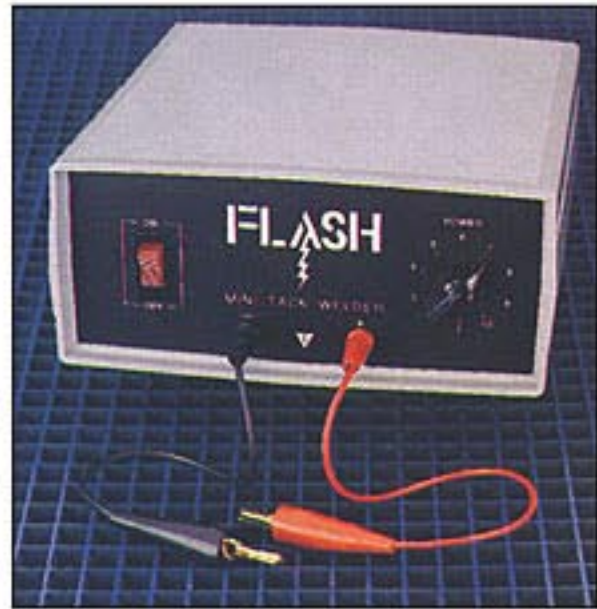
Flash Tacking Machine

28-089

Pre-position your soldering jobs without wire or messy fixturing materials. An electrical discharge creates a temporary bond without harming the pieces. Works on silver as well as gold and brass. Complete with leads, fine point probe, position tweezer and carbon position board. 2 second cycle time.

SPECIFICATIONS:

Dimensions: 9¹/₄" x 8³/₄" x 3³/₄" (235 x 210 x 153mm)
Energy: 110V, 3 amps (220V available)
Shipping weight: 8lbs (3.6kg)



Eisinger® Soldering Paste

We carry a variety of easy flow solder in easy to use, economical paste form in 1 dwt (1.5g). These are plumb solders for torch use. Silver paste is in 1/4oz (15g) syringe only. Cadmium free.

Order #	Type	Color	Melting Point*	Flow Point
28-105	10K	yellow	1190°	1295°
28-115	10K	white	1130°	1260°
28-107	14K	yellow	1180°	1330°
28-117	14K	white	1160°	1280°
28-141	Silver		1125°	1145°

*other formulations available.

Eisinger® Solder Sheet

Superior color, flow and strength. Packed in 1dwt (1.5g) envelopes. Cadmium free.

Order# Type Color

Order#	Type	Color	Melting Point
28-204	8K	yellow	1385°
28-205	10K	yellow	1320°
28-207	14K	yellow	1315°
28-209	18K	yellow	1450°
28-215	10K	white	1410°
28-217	14K	white	1430°
28-219	18K	white	1525°



Laser Solder

28-100

Eisinger is pleased to provide laser technology to the jewelry industry. Laser technology has finally been applied to jewelry soldering. ProfiWeld Laser is designed for jewelry applications and can be used on any metal including titanium and platinum as well as wax or plastic repair.

- Laser welding is ideal for soldering applications which require precise heat.
- Soldering near stones can be accomplished easily.
- Soldering of delicate parts is fast and efficient without damage.
- Soldering without solder is easily accomplished.
- Soldering without metal color change is great for repair of antiques.
- Use to repair porosity holes without solder.
- Tack weld hollowware and trim stampings.
- Assemble complicated pieces.
- Pulse power up to 50 Joule.
- Integrated vacuum extraction.
- Integrated cooler unit.
- Stereo microscope (30X) with a crosshair optic grid for easy targeting of the soldering job and an integrated foot switch.

SPECIFICATIONS:

Dimensions: 23 $\frac{1}{4}$ "w x 32"d x 50"h
(600 x 810 x 1270mm)
Laser: 40 watt Yag-Laser
Energy: 220V, Ø, 50/60hz, 1kva
Shipping weight: 200lbs (90kg)



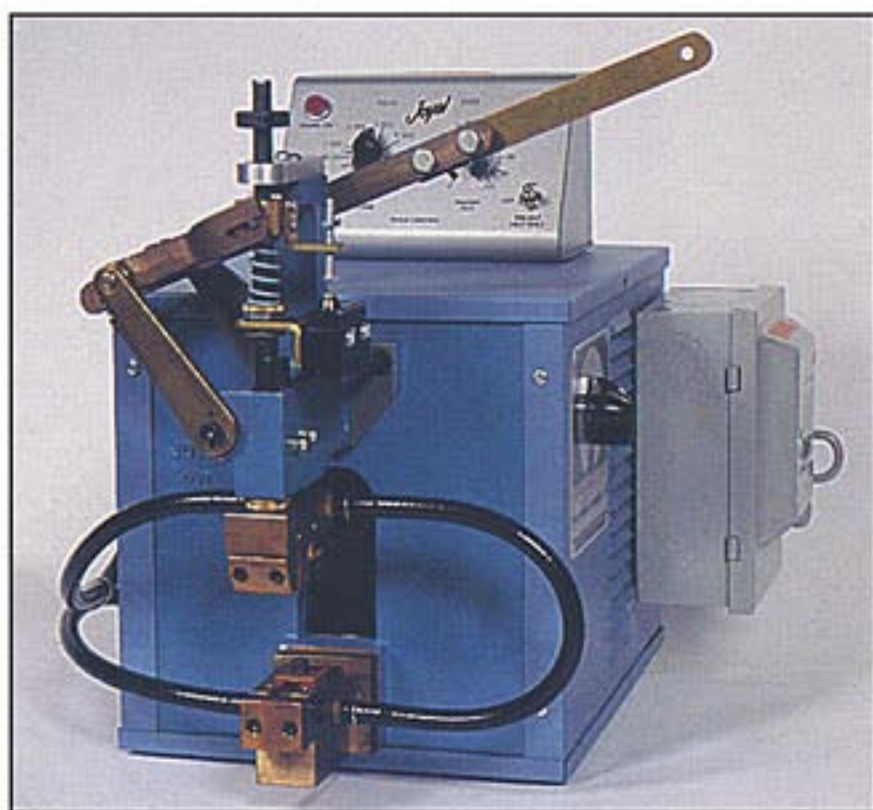
The Joyal™ DK Welder

28-150

Our DK Welder will braze, weld or solder all precious metals from miniature to large parts. The unique "floating head" design varies electrode pressure to insure consistent results. The open design of the electrode heads allow easy access to accommodate a variety of parts. Designed for foot pedal operation. Available from 1Kw to 10Kw.

SPECIFICATIONS:

Dimensions: 18"w x 14"d x 14"h
(457 x 356 x 356mm)
Energy: 110V, 1 kva*, 8.3 amps
Shipping weight: 100lbs (46kg)
*Other sizes available.





The Hoke Torch

28-506 – for Natural Gas
28-507 – for Bottled Gas

Is a well balanced nickel plated brass torch with three or four tips. Star handles for easy fingertip control. Works with oxygen. Also available for butane, artificial gas and acetylene.

Overall length: 9" (228mm)
Hose inlets: 3/4" (6.3mm)
Shipping weight: 8 1/4oz (240g)

Hoke Tips

Tip	Natural Gas	Bottled/Propane Gas
#1	28-506-1	28-507-1
#2	28-506-2	28-507-2
#3	28-506-3	28-507-3
#5		28-507-5



The Hoke Torch Needle Point Adapter

28-508

Expand the Hoke torch's possibilities with this easy to attach adapter and six needle tips. Achieve pin point accuracy with non-oxidizing flame. Includes wrench and carry case.

Shipping weight: 6oz (174g)



The Meco Midget Torch

28-601

Well positioned control valves and lightweight brass body make this an excellent torch. Works with oxygen, natural gas, propane, acetylene, butane or hydrogen. Specify gas when ordering (NG, P, A, B or H). Includes slip-on hose connectors, 1/4" (4mm) hose inlets.

Overall length: 6 1/4" (171mm)
Shipping weight: 10oz (290g)

Midget Tips Acetylene,

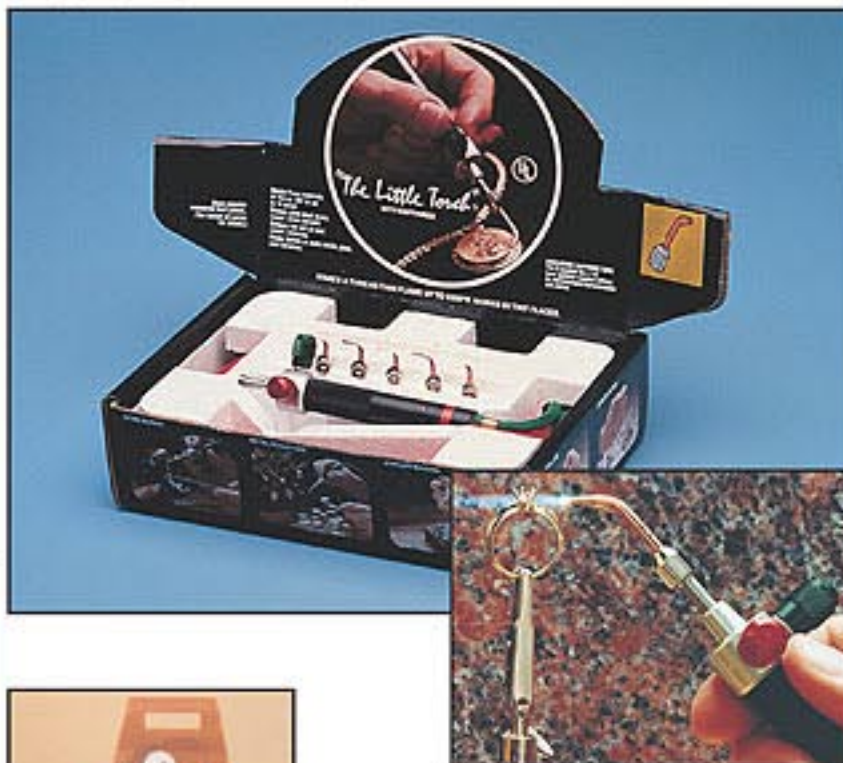
Natural Gas	Propane	Butane or Hydrogen
28-601-1-0	28-602-0	28-603-0
28-601-1	28-602-1	28-603-2
28-601-2	28-602-2	28-603-3
	28-602-3	28-603-4
		28-603-5



The Little Torch™

28-301

Lightweight, comfortable, aluminum body makes soldering a pleasure. Includes five "needle point" flame copper tips with real sapphire inserts for precise flame control. Optional melting tip is for small melts. Operates with oxygen and natural gas, propane, acetylene or hydrogen. Complete with six feet of hose and connectors for regulators. 3/4" (14.3mm) hose inlets. Shipping weight: 1lb (450g)



The Little Torch™ Kit

28-301-KIT

Includes torch, tips, oxygen tank, free gas tank (specify gas used), regulators and carrying caddy.

Shipping weight: 31lbs (15kg)

Accessories

- 28-301-7 – Melting Head
- 28-301-8 – Hose set, 6 feet
- 28-301-9 – Hose set, 12 feet



Little Torch™ Tips

Order #	Tip	Max length of Flame	PSI
28-301-1	#1	.080" (2mm)	2
28-301-2	#2	.16" (4mm)	3
28-301-3	#3	1" (26mm)	3.5
28-301-4	#4	1 1/4" (44mm)	4
28-301-5	#5	3" (75mm)	5
28-301-6	#6	3 3/4" (80mm)	6

Tips #1 to #5 included with kit 28-301. #6 is optional.



The StarLeaf® Swiss Torch

28-401

A modular torch system that ranges from a micro-torch to a melter. This unique design allows you to use one handle with different heads.



Features:

- Micro-head comes complete with four steel micro needles for pin point precision soldering
- "Hoke" style head, for general soldering, with three tips that store right on the handle
- Melter head with shower type flame
- Operates with oxygen and any fuel gas (except acetylene)

Complete Kit – 28-401

Handle Only – 28-401-1

Micro-Head Only (with needles) – 28-401-2

Needles Only (3 pcs) – 28-401-8

Hoke Style Head Only (with 3 tips) – 28-401-3

Hoke Style Tips Only (3pc) – 28-401-3T

Gold Melter Head Only – 28-401-4

Platinum Head Only* - 28-401-7 (not pictured)

*not included in kit.

The National 3A Torch

28-516 – Compressed Air

28-517 - Oxygen

Works with compressed air or oxygen and any fuel gas. Complete with two tips and wrench.

Overall length: 9 1/4" (242mm)

Shipping weight: 1lb (450g)



National Torch Tips

	Air	Oxygen
Small	28-516-1	28-516-6
Medium	28-516-2	28-516-7
Large	28-516-3	28-516-8

The Blazer Micro Torch

28-519

A remarkably convenient butane torch with push start ignition and fully adjustable flame. Temperatures up to 2500°F (1370°C). Refillable like a cigarette lighter, the fuel tank holds gas for 2 hours. Handy base allows for hands free operation.

SPECIFICATIONS:

Overall length: 5 3/4"

(146mm)

Shipping wt: 2lbs (1kg)

28-519-1 – Butane refills, 4oz (56g)



Oxygen Regulator

15-541

Two stage allows for multiple hook-ups. 3/4" outlet connection. Shipping weight: 6lbs (2.7kg)



Torch "Y" Connectors

Used for multiple torch hook-ups. Comes complete with shut off valves.

Order #	Description
28-540	"Y" connector for Gas line 3/4" – 18 LH connection
28-541	"Y" connector for Oxygen line 3/4" – 18 RH connection



Hose

15-547 – Gas hose

Sold by the foot. 1/4" I.D.

15-550 – Oxygen hose

Sold by the foot. 1/4" I.D.

15-549 – Twin hose. Keeps lines parallel.



Hose Barbs

Order #	Description
28-550	3/4" thread for 3/4" gas hose
28-551	3/4" thread for 3/4" oxygen hose



Torch Starter

28-828

Flint based igniter. Replacement flints (5pcs) – 28-828-1



Electric Torch Starter

28-829

Battery operated (2 AA not included). Ignites torch instantly. Shipping weight: 1lb (450g)

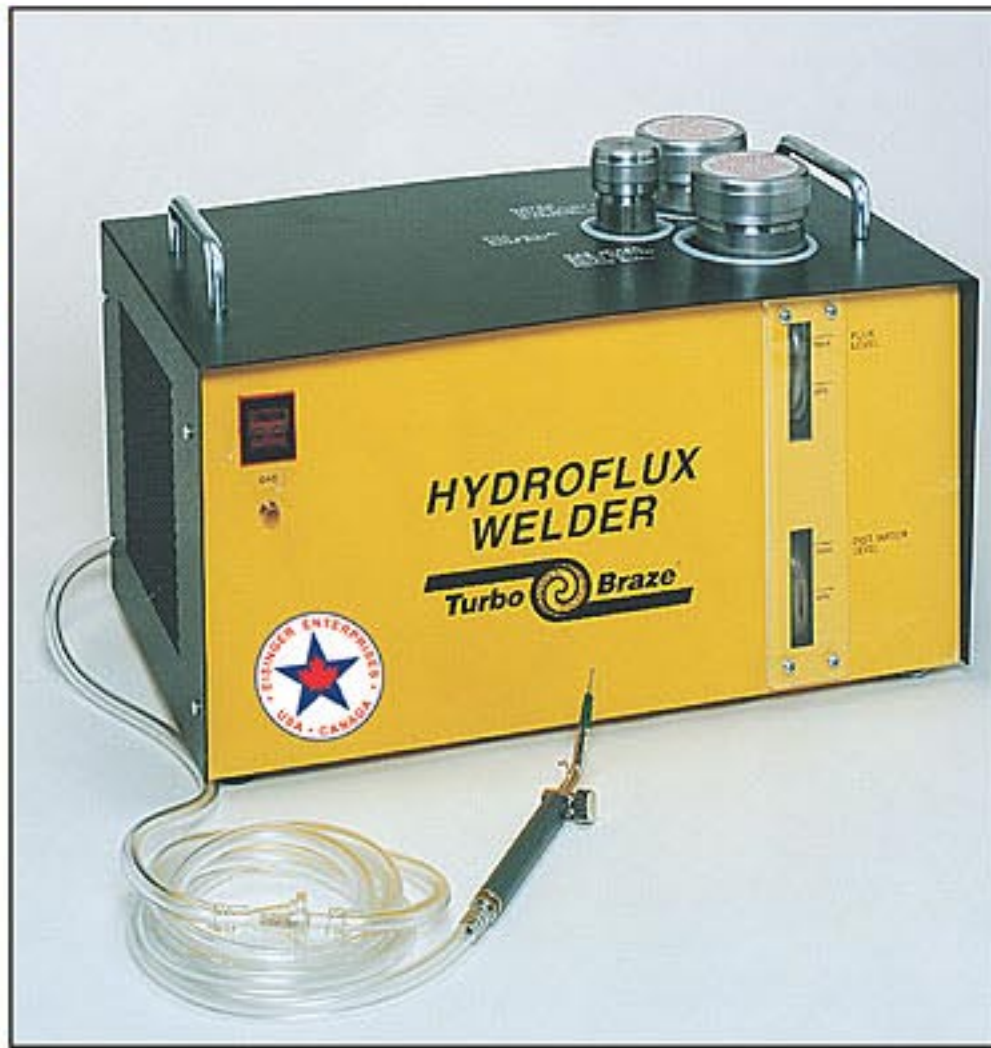


Torch Accessories Flashback Arrestors

Stops flashback fires by preventing reverse gas flow. These arrestors have automatic reset between flashes. Solid brass case is easy to install and will fit standard 3/4" connections.

Order #	Description
28-530	Flashback Arrestor for Gas line
28-531	Flashback Arrestor for Oxygen line





The Water Torch

28-092

Makes use of advanced technology to turn water into gas. Electrolysis causes distilled water to break into its components of hydrogen and oxygen. This gas is passed through a deoxidizing solution and ignited at a micro needle tip to create a pin point non-oxidizing flame. No outside gas source is necessary with this self contained unit. Excellent for chain repairs, retipping claws and sizing rings. Ideal when propane or natural gas are not available. Starter set includes Electrolyte, Flux Solution, set of Micro Needles (8pcs) and complete instructions.

SPECIFICATIONS:

Dimensions: 16" w x 8" d x 10" h
(406 x 203 x 254mm)
Energy: 110V, 6.3 amps
(220V, 3.2 amps available)
Shipping weight: 48lbs (22kg)

Replacement Parts:

Replacement Torch - 28-092-1
Cotton Filter - 28-092-2
Replacement Tips - 28-092-3
(specify gauge or color, sold by doz)
Set of 8 Assorted Tips - 28-092-4
Electrolyte Solution 1 qt (1L) - 28-092-5LS
Electrolyte Pellets 8oz (250g) - 28-092-5P
Fluxing Solution 1 qt (1L) - 28-092-6

Sparkie™ Fusion Welding Machine

28-098

Through the use of a large capacitor, an electrical discharge is released at the point where the special fusion finding makes contact with the surface of the receiving metal. A small explosion keeps away any oxides and gases then fuses the two metals together to form a permanent weld. Any two metals (except white metals) may be joined together including gold, sterling, nickel silver, brass, surgical steel and titanium. The Sparkie will fuse posts, tie-tacs, earwires and dial feet. Special findings are required.

SPECIFICATIONS:

Dimensions: 4 $\frac{1}{2}$ " w x 7 $\frac{1}{2}$ " d x 13 $\frac{1}{2}$ " h (114 x 191 x 343mm)
Energy: 110V, 4 amps, 60hz (220V available)
Shipping weight: 12lbs (5.5kg)



The Sparkie II™ Fusion Welding Machine

28-099

This machine has all the features and functions of Sparkie, but additionally has a built-in meter for precise repeatability and twice the power to do a greater variety of welds. The Sparkie II will fusion weld joints, catches, earring clips, stick pins and screw posts as well as posts, tie-tacs, earwires and dial feet. Special findings are required. Includes instructional video.



SPECIFICATIONS:

Dimensions: 6 $\frac{1}{4}$ " w x 10 $\frac{1}{4}$ " d x 16" h (159 x 267 x 406mm)
Energy: 110V, 4 amps, 60 hz (220V available)
Shipping weight: 14lbs (6.5kg)

StarLeaf® Charcoal Blocks

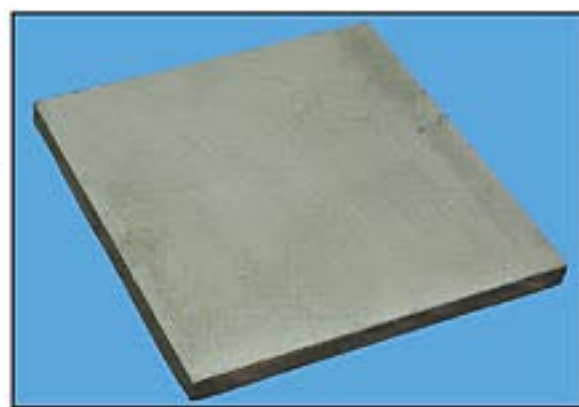
Creates a reducing atmosphere. All are 1 1/4" (38mm) thick.



Size	Order #	Shipping wt
Small	28-901	2 1/4" x 3 1/4" (57 x 89mm) 3oz (86g)
Medium	28-902	3" x 4 1/4" (76 x 120mm) 5oz (145g)
Large	28-903	4" x 7" (102 x 175mm) 7oz (198g)

Non-Asbestos Boards

Hard boards are similar to asbestos, without the hazard. Smooth, durable and heat resistant. 1/4" (13mm) thick.



Order #	Dimensions	Ship wt
28-914	6" x 6" (152 x 152mm)	1 1/4lbs (675g)
28-915	6" x 12" (152 x 305mm)	3lbs (1350g)
28-916	12" x 12" (305 x 305mm)	5lbs (2250g)

StarLeaf® Magnesia Block

28-908

Soft and moldable with water. Lasts longer than charcoal.



Dimensions: 3" x 6" x 1 1/4" (76 x 165 x 38mm)
Shipping weight: 3oz (86g)

StarLeaf® Soft Boards

Can be used as fixture boards. Will not flake and provides fast cool down. Contains no asbestos. 1/4" (13mm) thick



Order #	Dimensions	Ship wt
28-917	6" x 6" (152 x 152mm)	1lb (450g)
28-918	6" x 12" (152 x 305mm)	2lbs (900g)
28-919	12" x 12" (305 x 305mm)	3lbs (1360g)



Honeycomb Soldering Board

Can be used to hold pins in place. Also encourages even heat flow and quick cool down of soldered parts. 28-910 - Medium
Dimensions:

3 1/4" x 5 1/4" x 1/4" (100 x 135 x 13mm)
Shipping weight: 10oz (290g)

28-911 - Large

Dimensions: 5 1/4" x 7 1/4" x 1/4" (140 x 200 x 13mm)
Shipping weight: 1lb (450g)

Ribbed Soldering Board

28-909

Encourages even heat flow around the soldered piece. Ribbed surface is great for chain soldering. Can be reversed when smooth surface is required.

Dimensions: 7 1/4" x 7 1/4" x 3/16" (191 x 184 x 22mm)
Shipping weight: 2lbs (900g)



StarLeaf® Platinum Soldering Board

Very high thermal shock resistance and free of impurities.

28-904 4" x 4" (102 x 102mm) Shipping weight: 1 1/4lbs (500g)
28-905 6" x 15" (152 x 381mm) Shipping weight: 3lbs (1.4kg)

Annealing Pan

28-926

Rotating base with 12" (305mm) diameter pan. Shipped with 2 1/4lbs (1kg) lump pumice. Replacement Pumice - 28-926-1
Sold in 2 1/4 pound box.



Soldering Plaster

28-930

Heat insulating biodegradable plaster which can be formed as a fixture base. Just add water. Sold by the pound.





StarLeaf Ring Holder

28-923
Adjustable heavy cast iron base and prongs keep ring from moving while soldering.
Base diameter: 3" (76mm)
Shipping weight: 3lbs (1.4kg)



Ceramic Ring Stand

28-925
6" (153mm) rod mounted on swivel base.
Shipping weight: 12oz (336g)
Replacement Rod - 28-925-1
Shipping weight: 1oz (28g)



Soldering Chemicals Boric Acid Powder

28-833
Sold by the pound (450g)

Denatured Alcohol

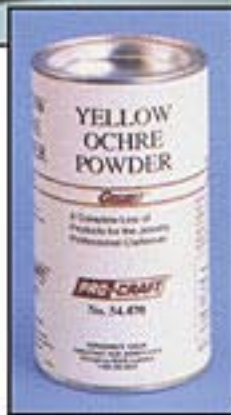
28-861
Sold by the gallon.
Shipping weight: 7lbs (3.2kg)

Methanol

28-862
Sold by the gallon.
Shipping weight: 7lbs (3.2kg)

Yellow Ochre

28-865
Used to prevent solder from going to unwanted places.
8oz (228g) tin.



StarLeaf Universal Solder Jig

28-920
A complete work station with two movable flexible arm clamps and a graphite/ceramic composition. Large soldering surface.



Dimensions: 9 1/4" x 13" (248 x 369mm)
Shipping weight: 5lbs (2.25kg)
Replacement Solder Board - 28-920-2
Replacement Solder Clamp (pair) - 28-920-1



StarLeaf Third Hand

29-376
Cross-locking blunt end soldering tweezer mounted on ball joint swivel base.
Length: 6 1/4" (165mm)
Ship wt: 1lb (450g)
Replacement Tweezer 6 1/2" (165mm) - 29-353

Kool Jool

28-823
Non-toxic paste protects stones from heat while you solder. No need to remove stone from setting (except opals). Even if flame is used for soldering, the stone will stay cool. Rinses off with plain water.
8oz (248g) jar.



Therm-A-Guard

28-825
Add water to this cloth-like material to mold a heat protective blanket. Maintains high heat resistance by creating air pockets. Not messy like pastes. Reusable. 2oz (57g) jar.



Heat Shield

Non-toxic paste protects stones against high heat.

28-824 - Spray

can 8oz (232g)
28-824-J - Jar 1lb (450g)

StarLeaf Binding Wire

28-921
Strong iron wire is used to hold pieces together while soldering.
10oz (282g) spools.

#	Thickness
12	.0189" (0.480mm)
14	.0173" (0.439mm)
16	.0167" (0.399mm)
18	.0142" (0.361mm)
20	.0126" (0.320mm)
22	.0110" (0.279mm)
24	.0100" (0.254mm)
26	.0090" (0.229mm)
28	.0080" (0.203mm)

To order, specify stock number - 28-921 followed by the wire number, e.g. - 28-921-16.



Magic Flame

28-866
Biodegradable, non-toxic, long lasting 4-in-1 soldering compound.

- Add Magic Flame to denatured alcohol in place of boric acid for a superior fire coat dip.
- Add Magic Flame to a small amount of water for a superior gold and silver hard solder liquid flux.
- Use Magic Flame full strength for a superior hard soldering paste flux.
- Use Magic Flame full strength for a superior casting flux.

Nonflammable, no surcharge to ship. Jar contains 24ozs (684g)
Shipping weight: 2 1/4 lbs (1.1kg)



Electric Pickle Pots

With a thermostatically controlled heater and pyrex glass lining. Includes plastic basket with handles.

28-981 - Small

Diameter: 5" (125mm)
Height: 5³/₄" (146mm)
Capacity: 12oz (355ml)
Energy: 110V, 2 amps (220V available)
Shipping weight: 1lb (450g)

28-982 - Medium

Diameter: 5¹/₄" (140mm)
Height: 7³/₄" (184mm)
Capacity: 16oz (475ml)
Energy: 110V, 2 amps (220V available)
Shipping weight: 2lbs (900g)

28-983 - Large

Diameter: 8¹/₄" (216mm)
Height: 5" (127mm)
Capacity: 1¹/₂qt (1420ml)
Energy: 110V, 3 amps (220V available)
Shipping weight: 6lbs (2.5kg)

Replacement Baskets

28-981-1 - Small

28-982-1 - Medium

28-983-1 - Large



Pickling removes the firescale which occurs during soldering.

Pickling tweezers, see page 73

Handy Flux

28-855

A white paste flux ideal for silver, gold and platinum. 8oz (224g) jar.



Soldering Flux

28-851 - gallon

28-851-QT - quart

Our most popular flux is a yellow-green colored flux ideal for soldering gold and silver.

Shipping weight:
11lbs (5kg) - gallon
3lbs (1.4kg) - quart



Rectifier Solution

28-853 - gallon

28-853-QT - quart

Rectifier Solution is used to protect soldered pieces from oxidizing. Blue colored liquid.

Shipping weight:
10lbs (4.5kg) - gallon
2¹/₄lbs (1.1kg) - quart

Flux Dispenser

28-870

Convenient 4oz (114g) polyethylene bottle with a pump action lid. Correct amount of flux is drawn up into the top well for easy dispensing.

Shipping weight: 6oz (171g)



StarLeaf

Flux Dispenser with Needle

28-871

Handy for depositing flux with just a squeeze. 2oz capacity.

StarLeaf Flux Brushes

Camel Hair

28-816

Durable brush mounted in wooden handles.

#2 - 28-816-2 #3 - 28-816-3

Red Sable

28-818

Pure red sable tips are securely mounted in aluminum seamless ferrules.

#2 - 28-818-2 #3 - 28-818-3



Eisinger Safe-T-Pickle

28-955-LB

A safe odorless pickling compound that will not hurt your skin or clothes. Requires warm water. Sold by the pound (450g) or in 5lb (2.25kg), 10lb (4.5kg) or 25lb (12kg) drums.



Sparex

Pickling compound.

28-950 - 2¹/₄lbs

28-950-45 - 45lb pail

