

2671672

Craig Labs      Envelope address  
455 A Union Ave      P.O. 788  
Westbury, N.Y.      11590

Gentlemen

Please send<sup>me</sup> for test purposes

1- Wescolite Kit.

5/8 oz flux

4 ft 1/16" Wescal solder 220

Price \$2.75-

Ch<sup>#</sup> 1129 enclosed

Very truly

D. A. Richards

**NEW!**  
FROM  
**CAIG**

# SOLDERING SIMPLIFIED

Wescolite Solder Kit contains a combination of the finest soft silver solder and the New wonder Wescol Flux to provide the best in soldered connections.



## WHY THE WESCOLITE KIT WORKS SO WELL

The combination of the finest flux and solder is the secret of Wescolite. The basis of Wescol Flux is such that it will disperse tenacious oxides such as chromium oxide found in stainless steel. It has a low viscosity and a strong searching action. The flux is followed by a solder of eutectic composition with strong capillary action. It is quick melting and setting and there is no tacky in-between stage. The solder is highly resistant to water corrosion and the silver content ensures a great strength.

## WHAT ARE THE ADVANTAGES OF USING WESCOLITE?

1. Soldering is much easier. The Wescol 220 soft silver solder and the new Wescol Flux, when united, allows the solder to flow into position more easily. Solidifies very rapidly.
2. With the Wescolite Kit almost all metals may be soldered which are otherwise difficult or impossible with ordinary solder. Dissimilar metals may be soldered, even stainless steel to chrome.
3. Stronger! Wescolite joints are far stronger than those made with ordinary solder.
4. Soldering is handier. The squeeze bottle simplifies the application of flux. The pack means you can keep flux and solder together on the shelf, ready for use at all times.
5. Safer! Wescolite can be used on containers and utensils that come in contact with food, the solder being cadmium and lead free.

## WHAT CAN BE SOLDERED WITH WESCOLITE?

All these metals both to themselves and each other:

Stainless steel, chrome, monel, copper, brass, some types of cast iron, nickel, nickel silver, steel, galvanized parts, gold, silver, bronze, coated steels, in fact almost all metals except aluminum, magnesium and die cast. A Wescolite joint perfectly matches silver, chrome, stainless steel.

**CAIG LABORATORIES** INC.

**THE WESCOLITE KIT CONTAINS:**

Wescol Flux . . .5/8 oz. squeeze bottle, approx. 4 feet of 1/16" diameter Wescol Solder 220. . .a very fine soft silver solder. A convenient plastic outer storage pack. . .keeps Kit ready for use at all times. Working temperature about 424°F. Tensile strength approx. 28,500 psi. Complys with related pure food laws. . .contains no cadmium, lead or zinc. Price. . . . . \$2.75

**WESCOL FLUX**

The new Wescol wonder Flux may be used with all soft solders and soft silver solders.

**NO PRE-CLEANING**

- removes oxides
- penetrates deepest joints

**NO AFTER CLEANING**

- pulls solder through vertical joints
- promotes tinning and capillary flow
- makes tough to solder applications easy

**USE WESCOL FLUX ON:** Stainless steel  
 Monel  
 Brass  
 Sterling Silver  
 Nickel Silver  
 Steel  
 Bronze

Chrome  
 Copper  
 Cast iron  
 Nickel  
 Gold  
 Galvanized  
 Coated steel except  
 Aluminum coated



**PRICES:**

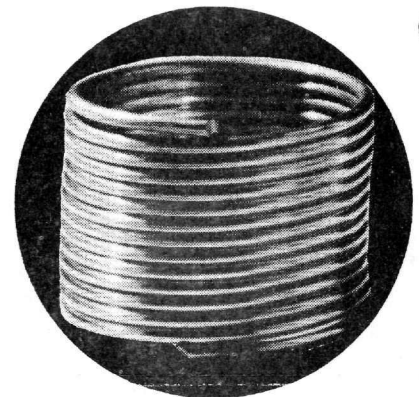
**WESCOL FLUX**

- 4 oz dispenser. . . . \$1.70
- 16 oz dispenser . . . 3.15
- 1/2 gallon. . . . . 8.00
- 1 gallon. . . . . 14.00
- 5 gallon. . . . . 47.85

**..Soft Silver Solder**

- 1/16" dia., 3/32" dia., 1/8" dia. . . . . \$19.95/lb.
- 1/32" dia., 3/64" dia. . . . . 21.00/lb.

Shipped in one (1) lb. reels  
 F O B New Hyde Park, L.I., N.Y.  
 Terms: 1% 10 Net 30 for credit rated firms.



**DISTRIBUTED BY**

**CAIG LABORATORIES INC.**



# CAIG LABORATORIES INC.

The amazing contact cleaner with a world wide reputation for excellence in performance. Used by the professionals who want only the best — Army, Air Force, Navy, Bureau of Standards and hundreds of top known manufacturers of electronic apparatus.



**FEATURES:**

- CLEANER
- LUBRICANT
- PRESERVATIVE
- ANTI-CORROSIVE

## IMPROVED CRAMOLIN-SPRAY R NOW WITH FREON® TF SOLVENT

FREE — 6" EXTENSION SPRAY TUBE

**Contact Cleaner** — Now — for those who prefer the spray can method of application. CRAMOLIN SPRAY R has same properties as CRAMOLIN (RED) FLUID. Packaged in neat spray can with automatic valve. Equipped with a whirl spray head, which will apply CRAMOLIN — breath thin — to most remote areas. The Hygrade propellant and speedy evaporating solvent leaves only a microfilm of actual CRAMOLIN on contact area.

**\$3.25** 6 oz. can  
Aerosol



## "CRAMOLIN-SPRAY MR"

**Moisture Repellent — Silicone — Protect — Restore — Clean — Lubricate** — For all electric and electronic equipment • Effective as a general cleaner, hydro-repellent, dielectric sealer and lubricant • Has excellent adherence. Safe to use on metals, rubber and synthetic materials • Reduces arcing, stops sparking and creeping currents in high voltage parts, switchboards, control panels, isolators, tube sockets, etc. • Temperature consistency between —50°C to +200°C • Can be used on all electronic equipment which is constantly used in high humidity and water, dust and gas fumes • Prevents corrosion, will not evaporate, will not gum, improves lubricating and sliding properties. Contains silicone.

Write for Bulletin C-201

Sold in bulk. Ask for prices **\$3.00** 16 oz. can  
Aerosol



## "CRAMOLIN-SPRAY PLASTIK"

**Acrylic Plastic Permanent Coating for Printed Circuits** — An air drying, colorless special plastic spray coating for electronic circuits, T.V., Radio, Aerial construction, automotive and many electric applications • It seals, protects, insulates and coats • Is age and weatherproof, water repellent, will not fade, has excellent adherence properties. Tropics proof • Resists acid and alkaline solutions as well as mineral oils • Withstands temperatures up to +180°C. Assures long lasting protective coatings on all metals, alloys & chrome • Protects against creeping currents, short circuits, weakened insulation breakdowns • As a sealant it helps to eliminate corrosion.

TECH BULLETIN P-100

Sold in bulk. Ask for prices. **\$3.00** 16 oz. can  
Aerosol



## "CRAMOLIN-PC SPRAY"

- PROTECTIVE COATING FOR PRINTED CIRCUIT BOARDS
- PREVENTS OXIDATION OF PLATES DURING STORAGE PERIODS • SOLDERING AIDS

**Solderable Spray Protective Coating for Printed Circuits** — Prevents corrosion on printed circuits and serves as a neutral soldering agent (flux). Melts immediately on contact with hot iron. Excellent wetting of all metal surfaces. Minimizes heat transfer to adjacent electrical components. Dries quickly. Sold in bulk. Ask for prices.

Tech Facts Bulletin PC-100 **\$4.25** 16 oz. can  
Aerosol



## CRAMOLIN® — ELECTRONIC CONTACT CLEANER

"THE LESS YOU USE — THE BETTER IT WORKS!"

THE BREAK-THRU FOR  
HIGHER PERFORMANCE ELECTRIC CONTACTS

Reduces contact resistance and sparking by dissolving oxide film formations. Temp. operating range —34°C. to 150°C. Effective on all metals and their alloys including gold, silver, copper, etc. Stays on moving contacts. Free of acids. Safe to use. Lasts for years.

Write for Tech Facts Bulletin C-200.

**CRAMOLIN:** (RED) Fluid for protection and cleaning of old and new contacts. **CRAMOLIN-SPECIAL:** (BLUE) Fluid for protection of new contacts. **CRAMOLIN-PASTE:** Semi-solid for protection and cleaning High Voltage/Amperage contacts.

**CRAMOLIN SPRAY R:** CRAMOLIN (RED) in aerosol spray can.

PRICES	CRAMOLIN (Red Color)	CRAMOLIN-SPECIAL (Blue Color)	CRAMOLIN-PASTE	*CAEON SOLVENT #27
2 oz. Glass Bottle	\$2.25	\$2.55		
4 oz. Glass Bottle				\$1.60
½ pint Glass Bottle	7.45	8.25		2.85
1 pint, Glass Bottle	14.50	16.00		4.00
1 quart, Glass Bottle	28.00	31.00		6.00
¼ Kg Can (½ lb)				\$2.90
Engineers Kit	7.50	(Contains: CRAMOLIN, CR-Special & Paste.) With Tech Facts.		

## CLEANING SOLVENT

### "CAEON SOLVENT #27"

(FREON® TF)  
(Trichlorotrifluoroethane)

A cleaning agent for removal of oil, grease, and dirt from objects without harm to metal, plastic, or elastomeric parts.

- NON-FLAMMABLE • VIRTUALLY NON-TOXIC • CHEMICALLY AND PHYSICALLY PURE • CHEMICALLY AND THERMALLY INERT • STABLE

The solvent exhibits a washing and penetrating action which aids its cleaning ability. High density and low surface tension enables Caeon #27 to wet the surface of most materials and wash away dirt and sludge.

The solvent is useful in ultrasonic and vapor degreasing equipment. Soils which are normally insoluble in any solvent can often be removed by this solvent with cavitation in ultrasonic units. Vapor rinsing is more easily accomplished without exposing object to high temperatures.

The solvent is compatible with most organic systems. It will remove soils or contaminants and leave the surface "Residue-Free". All standard methods of using a solvent may be employed.

Used by Electronic Systems Servicemen  
Before and After Repair Operations.



Write for Tech Facts.  
\*See Price List on This Page  
For Bottled Fluid.  
Caeon Spray #27 in aerosol spray container with extension tube. \$3.00—16 oz. can.

## WESCOLITE SOLDER KIT

### SOLDERING SIMPLIFIED

Combines a New Wonder Flux and the finest silver solder for stronger bond. Fast and easy to use. Soldering of the difficult or impossible metals together or to each other.

**\$2.50**  
KIT



No Pre-Cleaning • No After Cleaning  
Removes oxides, promotes tinning and capillary flow.

### WESCOL FLUX

4 oz. dispenser.....\$1.70 ½ gallon.....\$ 8.00  
16 oz. dispenser..... 3.15 1 gallon..... 14.00

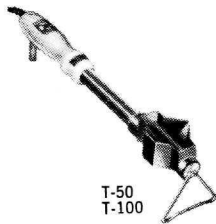
Wescol Solder 220... Soft Silver Solder. 5/6% Silver. Balance Tin.  
1/16" dia., 3/32" dia., 1/8" dia. ....\$19.95/lb.  
1/32" dia., 3/64" dia. .... 21.00/lb.  
Shipped in one (1) lb. reels

# CAIG LABORATORIES INC.

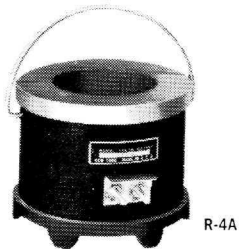
RECTANGULAR  
AND ROUND

## SOLDER BATHS

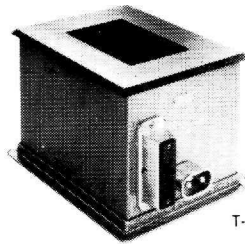
& SOLDER MACHINES  
FOR PRINTED CIRCUITS



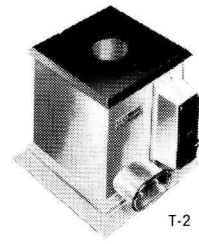
T-50  
T-100



R-4A



T-6

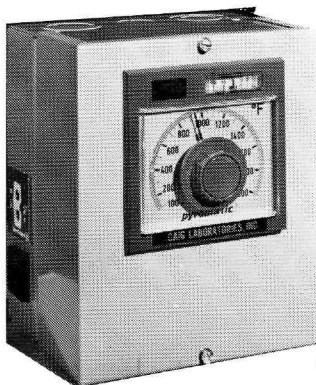


T-2

Catalog No.	Watts	Volts	Approx. Temperature		Internal Dimensions Approx. (Inches)			Contents Approx. (CC)	Heat Control	Weight Approx. (Lbs.)	Price
			(°C)	(°F)	Length	Width	Depth				
T-50	65	115	300	572	1.10	0.78	0.55	7	Full Heat	1.00	\$ 9.75
T-100	130	115	340	644	2.37	1.18	1.18	25	Full Heat	1.50	10.50
T-2*	240	115	600	1112	—	0.97 dia.	1.84	17	Full & Half	3.00	28.00
T-4*	400	115	410	770	2.00	2.00	3.28	220	Full & Half	8.50	40.00
T-6*	1000	115	560	1040	4.69	3.13	2.39	570	Full & Half	11.25	61.00
T-9**	2800	230	650	1202	6.50	5.33	3.94	2080	3 Step Sw.	31.00	175.00
T-44 †	600	115	288	550	4.00	4.00	2.00	10 lbs.	Automatic	15.00	54.60
T-48 †	1200	115	288	550	8.00	4.00	2.00	20 lbs.	Automatic	23.00	75.75
T-66	1900	115	538	1000	6	6	2	25 lbs.	Full Heat	30	85.00
T-66C †	1500	115	454	850	6	6	2	25 lbs.	Automatic	30	97.00
T-412 †	1500	230	372	700	12.00	4.00	2.00	30 lbs.	Automatic	35.00	108.75
T-420 †	2500	230	372	700	20.00	4.00	4.00	100 lbs.	Automatic	60.00	184.00
T-612 †	2000	230	372	700	12.00	6.00	4.00	90 lbs.	Automatic	57.00	149.50
T-912 †	1600	230	372	700	12.00	9.00	2.00	70 lbs.	Automatic	49.00	161.00
T-1212 ‡	2000	230	372	700	12.00	12.00	2.00	90 lbs.	Automatic	55.00	189.75
T-1218 ‡	2800	230	372	700	18.00	12.00	2.00	135 lbs.	Automatic	70.00	230.00
T-1418 ‡	3000	230	372	700	18.00	14.00	2.00	175 lbs.	Automatic	60.00	330.00
R-1.5A †	200	115	288	550	—	1.50 dia.	1.50	1 lb.	Automatic	5.00	33.00
R-1.5AX †	500	115	538	1000	—	1.50 dia.	1.50	1 lb.	Automatic	7.00	69.00
R-4A †	300	115	288	550	—	3.00 dia.	1.50	4 lbs.	Automatic	6.00	37.00
R-10A †	500	115	288	550	—	3.50 dia.	2.50	10 lbs.	Automatic	11.00	47.00
R-20A †	1250	115	372	700	—	5.00 dia.	4.00	20 lbs.	Automatic	33.00	97.00
R-40A †	1500	230	372	700	—	6.00 dia.	6.00	40 lbs.	Automatic	40.00	115.00
R-80X	3000	230	538	1000	—	8.00 dia.	5.50	80 lbs.	Full Heat	45.00	155.00
R-80AXP	3000	230	538	1000	—	8.00 dia.	5.50	80 lbs.	Automatic	60.00	310.00
R-4X	800	115	538	1000	—	3.00 dia.	1.50	4 lbs.	Full Heat	6.00	62.50
R-4AX †	900	115	538	1000	—	3.00 dia.	1.50	4 lbs.	Automatic	9.00	74.75

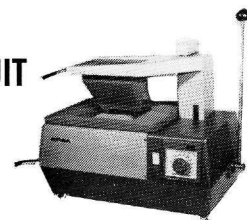
NOTES: (\*) Can be Switched to Half Wattage Rating. (\*\*) With 3-Step Switch. (†) Non-Indicating Thermostat Bimetal Control. (‡) For Partlow Indicating Control add \$165.00 to Base Price. Otherwise non-indicating thermostat supplied, control knob. Stem thermometer may be attached to some baths - add \$18.00.

### SOLDER BATH TEMPERATURE CONTROLLER



**TC-25 Temperature Controller.** Solid State Time Proportioning, for use with all Solder Pots requiring temp. control as close as  $\pm 5^\circ\text{F}$ . Ranges 100 to  $800^\circ\text{F}$ , or, 100 to  $2000^\circ\text{F}$ . I/C or C/A Thermocouple (3 ft.) plug in provided. Null-Meter, temp. set point control knob, magnetic contactor (25 Amp/3/240-115), red light, fused, on/off switch, line cord, grounded. Price.....\$225.00

### PRINTED CIRCUIT SOLDERING MACHINE T-2800



**Soldering Machine Model T2800** — Manual dip soldering of printed circuit boards up to 3.5" x 5.1". Contains unique funnel cleaner of solder dross to allow clean solder surface to Touch P.C. Board. 2800 watts/220 volts, on/off switch, Solid State Thermocouple Temp. Control, red light. Range 50 to  $450^\circ\text{C}$  ( $842^\circ\text{F}$ ). Bath contents — 55 lbs. Dim. overall 17 3/4" long x 12 3/8" wide x 20 1/2" high. Weight empty 70 lbs. One P.C. Frame Holder included. Price .....\$952.00

**TM-28811** extra P.C. Frame Holder. Price ..... 26.45

**Soldering Machine Model T3300** — similar to above, except handles P.C. boards up to 4.7" x 7.1". Price .....\$1349.00

**TM-3311** extra P.C. Frame Holder. Price ..... 48.60

**Model FM-3380** — Wave Flow Fluxing Machine for use in-line with all above, guide rails pump. Price .....\$366.00

**Model DR-3370** — Infra-Red Dryer for use in-line with all above, guide rails. Price...\$121.50 (Description Data available on all above.)

**EVERYDAY AIR POLLUTION  
CONTAINS  
SULFUR DIOXIDE**

Sulfur Dioxide will coat all electric metal contacts with a thin non-conducting insulating film. The resultant oxide film will increase the contact resistance of the electric contact surfaces, resulting in such very real problems as:

- 1 — Errors in computer operation — oxide films are semi-conductors and insulative in character, thus changing the overall performance of electronic apparatus by increasing system error.
- 2 — Sparking of commutators will reduce electric motor performance.
- 3 — Prevents the completion of electric circuits, thereby producing intermittent performance (even no performance).
- 4 — Produces high friction surfaces such as high spots and irregular cross-sections which results in low mechanical operational life.
- 5 — Oxide films thus created require higher pressures of contact to break-through and/or higher voltages, resulting in arcing.

**WHAT IS A GOOD REMEDY?  
WHY, NATURALLY**

**CRAMOLIN — ELECTRONIC CONTACT CLEANER**  
"THE LESS YOU USE — THE BETTER IT WORKS!"

Reduces contact resistance and sparking by dissolving oxide film formations. Temp. operation range — 34° C. to 150° C. Effective on all metals and their alloys including gold, silver, copper, etc. Stays on moving contacts. Free of acids. Safe to use. Lasts for years.

The amazing contact cleaner with a world wide reputation for excellence in performance. Used by the professionals who want only the best — Army, Air Force, Navy, Bureau of Standards and hundreds of top known manufacturers of electronic apparatus.



**FEATURES:**

- CLEANER
- LUBRICANT
- PRESERVATIVE
- ANTI-CORROSIVE



**LIQUID FORM**  
**\$2.25**  
2 oz. Bottle



**"CRAMOLIN-  
SPRAY R"**  
**\$3.25** 6 oz. can

**CAIG LABORATORIES INC.**

455A Union Ave. (P.O. Box 788) — Westbury, L.I., N.Y. 11590

(516) 334-1940