

Howard Electronic Instrument, Inc.

EFFECTIVE 9/1/02

ITEM	DESCRIPTION	RETAIL			
1032	LONER ATMOSCOPE SMT Hot Air Station with FA069, PS537 and PD525 Requires Shop Air (90 psi max)	1-5	\$ 735.00	6-10	\$ 698.25
1032-230	LONER ATMOSCOPE SMT Hot Air Station 230V European Style with FA489 and PS550 Requires Shop Air (90 psi max)	1+	\$ 735.60		
1036	LONER ATMOSCOPE Self-Contained SMT Hot Air Station with FA069 PS542 and PD525	1-5	\$ 764.40	6-10	\$ 726.18
1036-230	LONER ATMOSCOPE Self-Contained SMT Hot Air Station 230V European Style with FA493, PS543 and PD525	1+	\$ 905.70		
1036DX	LONER ATMOSCOPE Self-Contained SMT Deluxe Hot Air Station with LP250 Pick-Up Tool (24V Controlled Output)	1-5	\$ 961.00	6-10	\$ 912.95
1036DX-230	LONER ATMOSCOPE Self-Contained SMT Deluxe Hot Air Station 230V European Style with LP250 Pick-Up Tool (24V Controlled Output)	1+	\$ 964.00		
1072	LONER ATMOSCOPE SMT Hot Air and Soldering Station Requires Shop Air (60-90 psi)	1-5	\$ 827.40	6-10	\$ 786.03
1072DX	ATMOSCOPE Deluxe SMT Hot Air and Soldering Station Requires Shop Air (60-90 psi) (24V Controlled Output)	1-5	\$ 985.60	6-10	\$ 936.32
1072DX-230	ATMOSCOPE Deluxe SMT Hot Air and Soldering Station 230V European Style Requires Shop Air (60-90 psi) (24V Controlled Output)	1+	\$ 985.60		
930	LONER Soldering Station with CL1080 Soldering Tool and IP329 Base	1-10	\$ 150.40	11-20	\$ 142.88
951DP-230	LONER Deluxe High Performance Soldering Station 230V European Style (24V Controlled Output)	1+	\$ 290.00		
951DX	LONER Deluxe Soldering Station (24V Controlled Output) with LST11 Soldering Tool	1-10	\$ 229.10	11-20	\$ 217.65
951DX-230	LONER Soldering Station 230V European Style (24V Controlled Output)	1+	\$ 210.70		
951HP	LONER High Performance Soldering Station	1-10	\$ 292.90	11-20	\$ 278.26
951HP-230	LONER High Performance Soldering Station 230V European Style	1+	\$ 292.60		
951SX	LONER Temperature Controlled Soldering Station	1-10	\$ 158.50	11-20	\$ 150.58
951SX-230	LONER Temperature Controlled Soldering Station 230V European Style	1+	\$ 205.80		
952DHX	LONER Deluxe High Performance and Standard Soldering Station	1-10	\$ 545.30	11-20	\$ 518.04
952DX	LONER Dual Deluxe Soldering Station	1-10	\$ 391.60	11-20	\$ 372.02
952DX-230	LONER Dual Deluxe Soldering Station 230V European Style (24V Controlled Output)	1+	\$ 398.70		
952HP	LONER Dual High Performance Soldering Station	1-10	\$ 433.20	11-20	\$ 411.54
952HP-230	LONER Dual High Performance Soldering Station 230V European Style	1+	\$ 433.20		
952HX	LONER High Performance and Standard Soldering Station	1-10	\$ 420.00	11-20	\$ 399.00
952SX	LONER Dual Temperature Controlled Soldering Station	1-10	\$ 336.00	11-20	\$ 319.20
952SX-230	LONER Dual Temperature Controlled Soldering Station 230V European Style	1+	\$ 336.00		

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971	LONER High Performance Temperature Controlled Soldering Station	1-10	\$ 198.20	11-20	\$ 188.29
971-230	LONER High Performance Temperature Controlled Soldering Station 230V European Style	1+	\$ 222.00		
971DH-230	LONER ATMOSCOPE Deluxe SMT Hot Air Station 230V European Style (24V Controlled Output) Requires Shop Air (60-90 psi)	1+	\$ 733.50		
971DX	LONER Deluxe High Performance Temperature Controlled Soldering Station (24V Controlled Output)	1-10	\$ 266.10	11-20	\$ 252.80
971DX-230	LONER Deluxe High Performance Temperature Controlled Soldering Station 230V European Style	1+	\$ 266.80		
971FX	LONER Soldering Station with Fume Extraction System Requires Shop Air (60-90 psi)	1-5	\$ 700.70	6-10	\$ 665.67
971FX-1	LONER Soldering Station with Fume Extraction Collar to be used with Fume Systems	1-10	\$ 277.20	11-20	\$ 263.34
971HA	LONER ATMOSCOPE SMT Hot Air Station with PR570, PAS53 and PD533 Requires Shop Air (60-90 psi)	1-5	\$ 684.81	6-10	\$ 650.57
972	LONER High Performance Dual Temperature Controlled Soldering Station	1-10	\$ 410.10	11-20	\$ 389.60
972DX	LONER High Performance Deluxe Dual Temperature Controlled Soldering Station (24V Controlled Output)	1-10	\$ 478.20	11-20	\$ 454.29
972DX-230	LONER High Performance Deluxe Dual Temperature Controlled Soldering Station 230V European Style (24V Controlled Output)	1+	\$ 478.20		
981	LONER Digital Temperature Controlled Soldering Station Displays in Fahrenheit (24V Controlled Output)	1-10	\$ 358.90	11-20	\$ 340.96
981C	LONER Digital Temperature Controlled Soldering Station Displays in Celsius (24V Controlled Output)	1-10	\$ 358.90	11-20	\$ 340.96
981C-230	LONER Digital Temperature Controlled Soldering Station Displays in Celsius 230V European Style (24V Controlled Output)	1+	\$ 358.90		
981M	LONER Digital Temperature Controlled Soldering Station with Micro Hand Tool Displays in Fahrenheit (24V Controlled Output)	1-10	\$ 382.20	11-20	\$ 363.09
AC735	Heat Accumulator Insert for Hollow Heater	1-10	\$ 3.60	11-20	\$ 3.42
AC736	Tip Adapter with IT736 Inner Tube for ZD25, ZD26 and ZD27 Desoldering Tips	1-10	\$ 15.90	11-20	\$ 15.11
AC737	Accumulator Bushing for HT500	1+	\$ 14.40		
AF039	Foam Filter for AF139, AF511, AF520 and DS299 (Set of 10)	1-10	\$ 6.20	11-20	\$ 5.89
AF039-5	Foam Filter/Scrubber for AF139 AF511, AF520 and DS299 (Set of 5)	1-10	\$ 3.20	11-20	\$ 3.04
AF040	Replacement Muffler Filter for AF110 and PM100 (Set of 10)	1-10	\$ 6.80	11-20	\$ 6.46
AF041	Felt Filter for FC641 Large Capacity Filter Cartridge (Set of 3)	1-10	\$ 6.30	11-20	\$ 5.99
AF110	In-Line Vacuum Filter Assembly with 2 Mounting Clips	1+	\$ 8.60		
AF110A	In-Line Vacuum Filter Assembly with 2 Mounting Clips	1-5	\$ 11.70	6-10	\$ 11.12

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AF110H	In-Line Vacuum Filter Assembly for High Flow Vacuum	1-5	\$ 11.70	6-10	\$ 11.12
AF110S	Air Exhaust Silencer with Mounting Clips for PM100	1+	\$ 13.90		
AF137	Air Filter for DS117, DS217, DS317 and DS417	1-5	\$ 5.40	6-10	\$ 5.13
AF511	AUTO-VAC Static-Safe Muffler Filter for PS500	1+	\$ 21.60		
AF520	AUTO-VAC Static-Safe Continuous Vacuum Tool with LS145 Tipler	1-5	\$ 24.80	6-10	\$ 23.56
AF624	Filter Set with 5-AF040 Muffler and 5-AF629 Felt Filters for AF110 and AFX73	1-10	\$ 7.20	11-20	\$ 6.84
AF625	Felt Filter for SC525 and FC639 (Set of 10)	1-10	\$ 6.10	11-20	\$ 5.80
AF627	Filter Set with 10-AF039 Foam and 10-AF629 Felt Filters for AF139, AF511 and AF520	1-10	\$ 12.40	11-20	\$ 11.78
AF629	Felt Filter for 1036, AF110 AF139, AF511, AF520 and AFX73 (Set of 10)	1-10	\$ 6.30	11-20	\$ 5.99
AF631	Felt Filter for LP252 (Set of 10)	1+	\$ 6.60		
AFX73	Condenser and Filter Assembly for TSX70-1 Solder Handling Tool	1+	\$ 67.10		
AFX74	ATMOSCOPE Fume Filter Tank for Fume Extraction	1+	\$ 173.10		
AN112	Anti-Seize Compound Prevents Seizure from 65øF up to 2000øF (2cc)	1-10	\$ 3.90	11-20	\$ 3.71
AN122	High Heat Anti-Seize Syringe Dispenser (2.5 cc/2.4 ml/2.7 g)	1-10	\$ 9.30	11-20	\$ 8.84
AS196	SILVERSTAT SOLDAPULLT with LS197 Tip and ODS31 O-Ring L: 13.0 in. (330.0 mm)	1-50	\$ 27.00	51-100	\$ 25.65
AV060	AUTO-VAC Trigger Assembly Kit for DS117, DS217, DS317 and DS417	1-5	\$ 4.10	6-10	\$ 3.90
BP0	Needle Point Tip for EB200	1-10	\$ 9.40	11-20	\$ 8.93
BP1	Chisel Tip for EB200 W: 1.0 mm	1-10	\$ 9.40	11-20	\$ 8.93
BP10	Hot Blow Tip for EB200 W: 5.0 mm	1-10	\$ 9.40	11-20	\$ 8.93
BP12	Hot Blow Tip for EB200 W: 10.0 mm	1-10	\$ 9.40	11-20	\$ 8.93
BP13	Deflector Shield for Shrink Tubing Use on: EB200	1-10	\$ 9.40	11-20	\$ 8.93
BP2	Chisel Tip for EB200 W: 2.4 mm	1-10	\$ 9.40	11-20	\$ 8.93
BP3	Chisel Tip for EB200 W: 3.2 mm	1-10	\$ 9.40	11-20	\$ 8.93
BP325	Base Plate for DS117, DS217, DS317 and DS417	1+	\$ 10.80		
BP4	Chisel Tip for EB200 W: 4.8 mm	1-10	\$ 9.40	11-20	\$ 8.93
BP5	Angle Face Tip for EB200 W: 1.0 mm	1-10	\$ 9.40	11-20	\$ 8.93
BP9	Hot Knife Tip for EB200	1-10	\$ 9.40	11-20	\$ 8.93
BT0	Needle Point Tip for EB100	1-10	\$ 9.40	11-20	\$ 8.93
BT1	Chisel Tip for EB100 W: 1.0 mm	1-10	\$ 9.40	11-20	\$ 8.93
BT2	Chisel Tip for EB100 W: 2.4 mm	1-10	\$ 9.40	11-20	\$ 8.93
BT3	Chisel Tip for EB100 W: 4.8 mm	1-10	\$ 9.40	11-20	\$ 8.93
BT4	Knife Tip for EB100	1-10	\$ 9.40	11-20	\$ 8.93
BT5	Blow Torch Tip for EB100	1-10	\$ 9.40	11-20	\$ 8.93
BT6	Hot Blow Tip for EB100 W: 7.0 mm	1-10	\$ 9.40	11-20	\$ 8.93
CA165	Clip to Attach HS307 Static- Safe Hose to Black Power Cord on FA069, FA489, FA493, 971FX and 971HA (Set of 10)	1+	\$ 6.60		
CB138	Tip Removal Tool and Cleaning Brush for DS117 and DS317	1+	\$ 5.10		
CC355	Chamber Coil for FA069 Hot Air Tool	1+	\$ 2.40		
CH12	CROWN Hammer Head Tip W: .47 in. (11.9 mm)	1-10	\$ 56.00	11-20	\$ 53.20
CH17	CROWN Hammer Head Tip W: .65 in. (16.5 mm)	1-10	\$ 56.00	11-20	\$ 53.20
CH22	CROWN Hammer Head Tip W: .87 in. (22.0 mm)	1-10	\$ 56.00	11-20	\$ 53.20

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CH31	CROWN Hammer Head Tip W: 1.22 in. (31.0 mm)	1-10	\$ 56.00	11-20	\$ 53.20
CH37	CROWN Hammer Head Tip W: 1.46 in. (37.0 mm)	1-10	\$ 56.00	11-20	\$ 53.20
CH43	CROWN Hammer Head Tip W: 1.69 in. (43.0 mm)	1-10	\$ 56.00	11-20	\$ 53.20
CL1080	LONER Temperature Controlled Soldering Tool 120V 70W for 930 and 935 Stations	1-10	\$ 117.30	11-20	\$ 111.44
CL1180	LONER Temperature Controlled Soldering Tool 120V 50W for 920 and 925 Stations	1-10	\$ 124.50	11-20	\$ 118.28
CL1481	LONER Constant Temperature Soldering Tool 120V 30W (Not Temperature Controlled)	1-10	\$ 56.00	11-20	\$ 53.20
CL1484	LONER Constant Temperature Soldering Tool 120V 20W (Not Temperature Controlled)	1-10	\$ 56.00	11-20	\$ 53.20
CL680	LONER Temperature Controlled Soldering Tool 120V 70W for 940 and 945 Stations	1-10	\$ 262.50	11-20	\$ 249.38
CS332	Standard Cleaning Shaft for ZD100 and AUTO-VAC Continuous Vacuum Tools Shaft Dia.: .12 in. (3.04 mm)	1+	\$ 2.70		
CS468	Tip Cleaning Shaft for Hot Tip Desoldering Tips Shaft Dia: .05 in. (1.27 mm) L: 1.73 in. (43.4 mm)	1-5	\$ 3.10	6-10	\$ 2.95
CS468-1	Tip Cleaning Shaft for Hot Tip Desoldering Tips Shaft Dia: .025 in. (.635 mm) L: 1.73 in. (43.9 mm)	1-5	\$ 3.10	6-10	\$ 2.95
CS468-2	Tip Cleaning Shaft for Hot Tip Desoldering Tips Shaft Dia: .01 in. (.25 mm) L: 1.73 in. (43.9 mm)	1-5	\$ 3.10	6-10	\$ 2.95
CS469	Tip Cleaning Shaft for LN278 Shaft Dia: .01 in. (.25 mm) L: 2.62 in. (66.56 mm)	1-5	\$ 14.00	6-10	\$ 13.30
CSX70	Maintenance Tool with CSX71 Tip Cleaning Shaft for TSX70 Dia.: .22 in. (5.6 mm) L: 3.38 in. (85.9 mm)	1+	\$ 49.00		
CSX71	Tip Cleaning Shaft and O-Ring Guide for CSX70 Dia.: .05 in. (1.3 mm) L: 1.37 in. (34.8 mm)	1+	\$ 9.90		
CT-1	CROWN Lead-Free Tip Tinner and Cleaner Dia: 1.88 in. (47.8 mm) Net Weight: 1.5 oz. (42.5 g)	1-50	\$ 9.60	51-100	\$ 9.12
CT0808	CROWN Quad SMD Tip W: .31 in. (7.9 mm) L: .31 in. (7.9 mm)	1-10	\$ 79.80	11-20	\$ 75.81
CT0814	CROWN Quad SMD Tip W: .34 in. (8.6 mm) L: .54 in. (13.6 mm) Pkg.: PLCC-18	1-10	\$ 79.80	11-20	\$ 75.81
CT1010	CROWN Quad SMD Tip W: .40 in. (10.2 mm) L: .40 in. (10.2 mm) Pkg.: PLCC-20	1-10	\$ 79.80	11-20	\$ 75.81
CT110	CROWN Tunnel SMD Tip W: .38 in. (9.5 mm) L: .40 in. (10.2 mm) Pkg.: SOIC-18	1-10	\$ 51.50	11-20	\$ 48.93
CT113	CROWN Tunnel SMD Tip W: .38 in. (9.5 mm) L: .52 in. (13.2 mm) Pkg.: SOIC-20	1-10	\$ 51.50	11-20	\$ 48.93
CT116	CROWN Tunnel SMD Tip W: .38 in. (9.5 mm) L: .62 in. (15.7 mm) Pkg.: SOIC-24	1-10	\$ 51.50	11-20	\$ 48.93
CT118	CROWN Tunnel SMD Tip W: .38 in. (9.5 mm) L: .72 in. (18.2 mm) Pkg.: SOIC-28	1-10	\$ 51.50	11-20	\$ 48.93
CT12	CROWN Fork SMD Tip W: .07 in. (1.8 mm) L: .10 in. (2.5 mm) Pkg: SOT-23	1-10	\$ 35.00	11-20	\$ 33.25
CT1313	CROWN Quad SMD Tip W: .50 in. (12.7 mm) L: .50 in. (12.7 mm) Pkg: PLCC-28	1-10	\$ 79.80	11-20	\$ 75.81
CT1315	CROWN Quad SMD Tip W; .50 in. (12.7 mm) L: .60 in. (15.1 mm) Pkg: PLCC-32	1-10	\$ 79.80	11-20	\$ 75.81
CT1515	CROWN Quad SMD Tip W: .60 in. (15.1 mm) L: .60 in. (15.1 mm) Pkg: QFP-100	1-10	\$ 79.80	11-20	\$ 75.81

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CT1616	CROWN Quad SMD Tip W: .64 in. (16.3 mm) L: .64 in. (16.3 mm) Pkg: 44-QFP	1-10	\$ 79.80	11-20	\$ 75.81
CT1723	CROWN Quad SMD Tip W: .68 in. (17.3 mm) L: .92 in. (23.2 mm) Pkg: 64/80-QFP	1-10	\$ 79.80	11-20	\$ 75.81
CT1818	CROWN Quad SMD Tip W: .70 in. (17.8 mm) L: .70 in. (17.8 mm) Pkg: PLCC-44	1-10	\$ 79.80	11-20	\$ 75.81
CT2020	CROWN Quad SMD Tip W: .81 in. (20.6 mm) L: .81 in. (20.6 mm) Pkg: PLCC-52	1-10	\$ 79.80	11-20	\$ 75.81
CT21	CROWN Fork SMD Tip W: .09 in. (2.3 mm) L: .06 in. (1.5 mm) Pkg: 805	1-10	\$ 35.00	11-20	\$ 33.25
CT227	CROWN Tunnel SMD Tip W: .40 in. (10.2 mm) L: 1.08 in. (27.4 mm)	1-10	\$ 51.50	11-20	\$ 48.93
CT25	CROWN Fork SMD Tip W: .10 in. (2.5 mm) L: .21 in. (5.3 mm) Pkg: SOT-89	1-10	\$ 35.00	11-20	\$ 33.25
CT2626	CROWN Quad SMD Tip W: 1.0 in. (25.4 mm) L: 1.0 in. (25.4 mm) Pkg: PLCC-68	1-10	\$ 92.40	11-20	\$ 87.78
CT31	CROWN Fork SMD Tip W: .14 in. (3.5 mm) L: .07 in. (1.8 mm) Pkg: 1206, 1210	1-10	\$ 35.00	11-20	\$ 33.25
CT3131	CROWN Quad SMD Tip W: 1.20 in. (30.5 mm) L: 1.20 in. (30.5 mm) Pkg: PLCC-84	1-10	\$ 92.40	11-20	\$ 87.78
CT3434	CROWN Quad SMD Tip W: 1.30 in. (33.5 mm) L: 1.30 in. (33.5 mm)	1-10	\$ 92.40	11-20	\$ 87.78
CT42	CROWN Fork SMD Tip W: .19 in. (4.8 mm) L: .09 in. (2.3 mm) Pkg: 1808, 1812	1-10	\$ 35.00	11-20	\$ 33.25
CT504	CROWN Tunnel SMD Tip W: .20 in. (5.1 mm) L: .18 in. (4.5 mm) Pkg: SOIC-8	1-10	\$ 51.50	11-20	\$ 48.93
CT509	CROWN Tunnel SMD Tip W: .20 in. (5.1 mm) L: .34 in. (8.6 mm)	1-10	\$ 51.50	11-20	\$ 48.93
CT510	CROWN Tunnel SMD Tip W: .20 in. (5.1 mm) L: .41 in. (10.4 mm) Pkg: SOIC-14, 16	1-10	\$ 51.50	11-20	\$ 48.93
CT52	CROWN Fork SMD Tip W: .20 in. (5.1 mm) L: .10 in. (2.5 mm)	1-10	\$ 35.00	11-20	\$ 33.25
CT53	CROWN Fork SMD Tip W: .23 in. (5.8 mm) L: .14 in. (3.5 mm)	1-10	\$ 35.00	11-20	\$ 33.25
CT711	CROWN Tunnel SMD Tip W: .27 in. (6.9 mm) L: .45 in. (11.4 mm) Pkg: SOMC-16	1-10	\$ 51.50	11-20	\$ 48.93
CT919	CROWN Tunnel SMD Tip W: .34 in. (8.6 mm) L: .74 in. (18.8 mm) Pkg: SOJ-28	1-10	\$ 51.50	11-20	\$ 48.93
CTA02	CROWN Tip Adapter for Hollow Heaters	1-50	\$ 8.60	51-100	\$ 8.17
CTA03	CROWN Tip Adapter for 971 Series	1+	\$ 8.60		
CTS71	Retaining Sleeve for CTA02 CROWN Tip Adapter	1-10	\$ 11.20	11-20	\$ 10.64
DS017	Deluxe SOLDAPULLT with SRT12 Tip and ODS31 O-Ring L: 13.0 in. (330.0 mm)	1-50	\$ 17.60	51-100	\$ 16.72
DS017LQ	Static-Safe Deluxe SOLDAPULLT Quick Change with LQ121 Tipler Holder and ODS31 O-Ring L: 13.0 in. (330.0 mm)	1-10	\$ 24.40	11-50	\$ 23.18
DS017LS	Static-Safe Deluxe SOLDAPULLT with LS197 Tip and ODS31 O-Ring L: 13.0 in. (330.0 mm)	1-50	\$ 23.00	51-100	\$ 21.85
DS017QC	Deluxe SOLDAPULLT Quick Change with QC021 Tipler Holder and 1-SRT035 Tipler L: 13.0 in. (330.0 mm)	1-10	\$ 19.90	11-50	\$ 18.91
DS117	AUTO-VAC Desoldering Tool with PH177 Power Head and PH178 Holder Requires Vacuum Source	1-10	\$ 65.40	11-20	\$ 62.13

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DS299	KLATCH Dip Squeezers with RS190 Sponge and AF039 Foam Filter	1-5	\$ 10.80	6-10	\$ 10.26
DS317	SILVERSTAT AUTO-VAC Desoldering Tool with PH246 Power Head and PH184 Holder Requires Vacuum Source	1-10	\$ 86.00	11-20	\$ 81.70
DS417	SILVERSTAT AUTO-VAC Micro-Tipped Desoldering Tip with PH201 Power Head and PH202 Holder Requires Vacuum Source	1-10	\$ 86.30	11-20	\$ 81.99
DS517	Static-Safe AUTO-VAC Micro-Tipped Desoldering Tool with PH358 Power Head and PH247 Holder Requires Vacuum Source	1-10	\$ 100.40	11-20	\$ 95.38
DT113	Standard Replacement Tip for DS117 ID: .125 in. (3.2 mm) L: .536 in. (13.6 mm)	1-10	\$ 4.70	11-20	\$ 4.47
DT285	KLATCH Dip Squeezers	1-5	\$ 8.30	6-10	\$ 7.89
EB100	Small Gas Powered Multi-Purpose Tool includes Safety Cap with Switch Off Feature	1-10	\$ 29.30	11-20	\$ 27.84
EB100K	Small Gas Powered Multi-Purpose Tool Kit includes 3 Tips, Storage Tray and Box comes with Safety Cap with Switch Off Feature	1-10	\$ 51.40	11-20	\$ 48.83
EB200	Large Gas Powered Multi-Purpose Tool includes Tool Holder and Safety Cap with Switch Off Feature	1-10	\$ 47.60	11-20	\$ 45.22
EB200K	Large Gas Powered Multi-Purpose Tool Kit includes 3 Tips, Storage Tray and Box comes with Safety Cap with Switch Off Feature	1-10	\$ 67.60	11-20	\$ 64.22
EDA10	10cc Universal Syringe Adapter	1-10	\$ 25.20	11-20	\$ 23.94
EDA10H	10cc Plastic Universal Adapter (Adapter Head Only without Hose)	1-5	\$ 17.70	6-10	\$ 16.82
EDA10HM	10cc Metal Universal Adapter (Adapter Head Only without Hose)	1-5	\$ 25.90	6-10	\$ 24.61
EDA3	3cc Universal Syringe Adapter	1-10	\$ 20.80	11-20	\$ 19.76
EDA30	30cc Universal Syringe Adapter	1-10	\$ 25.20	11-20	\$ 23.94
EDA30H	30cc Plastic Universal Adapter (Adapter Head Only without Hose)	1-5	\$ 19.10	6-10	\$ 18.15
EDA30HM	30cc Metal Universal Adapter (Adapter Head Only - No Hose)	1-5	\$ 25.90	6-10	\$ 24.61
EDA3H	3cc Plastic Universal Adapter (Adapter Head Only without Hose)	1-5	\$ 16.40	6-10	\$ 15.58
EDA3HM	3cc Metal Universal Adapter (Adapter Head Only without Hose)	1-5	\$ 24.70	6-10	\$ 23.47
EDA5	5cc Universal Syringe Adapter	1-10	\$ 20.80	11-20	\$ 19.76
EDA5H	5cc Plastic Universal Adapter (Adapter Head Only without Hose)	1-5	\$ 20.80	6-10	\$ 19.76
EDA5HM	5cc Metal Universal Adapter (Adapter Head Only without Hose)	1-5	\$ 23.20	6-10	\$ 22.04
EDM101	10cc Gasket for Adapter (Set of 5)	1-10	\$ 8.20	11-20	\$ 7.79
EDM301	30cc Gasket for Adapter (Set of 5)	1-10	\$ 8.20	11-20	\$ 7.79
EDM31	3cc Gasket for Adapter (Set of 5)	1-10	\$ 7.20	11-20	\$ 6.84
EDM51	5cc Gasket for Adapter (Set of 5)	1-10	\$ 7.50	11-20	\$ 7.13
EDN14	14 Gauge Dispensing Needle- Dark Green (Set of 25) L: .5 in. (12.7 mm) ID: .067 in. (1.7 mm)	1-50	\$ 5.20	51-100	\$ 4.94
EDN14-1	14 Gauge Dispensing Needle- Dark Green (Set of 25) L: 1 in. (25.4 mm) ID: .067 in. (1.7 mm)	1-50	\$ 5.20	51-100	\$ 4.94

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ITEM	DESCRIPTION	RETAIL			
EDN14-1-M	14 Gauge Dispensing Needle- Dark Green (Set of 1000) L: 1 in. (25.4 mm) ID: .067 in. (1.7 mm)	1-10	\$ 143.00	11-20	\$ 135.85
EDN14-M	14 Gauge Dispensing Needle- Dark Green (Set of 1000) L: 0.5 in. (12.7 mm) ID: .067 in. (1.7 mm)	1-10	\$ 143.00	11-20	\$ 135.85
EDN14T	14 Gauge Tapered Dispensing Needle-Salmon (Set of 25) L: 1.25 in. (31.8 mm) ID: .063 in. (1.6 mm)	1-10	\$ 8.20	11-20	\$ 7.79
EDN14T-M	14 Gauge Tapered Dispensing Needle-Salmon (Set of 1000) L: 1.25 in. (31.8 mm) ID: .063 in. (1.6 mm)	1-10	\$ 143.00	11-20	\$ 135.85
EDN15	15 Gauge Dispensing Needle- Orange (Set of 25) L: .50 in. (12.7 mm) ID: .06 in. (1.52 mm)	1-50	\$ 7.80	51-100	\$ 7.41
EDN15-1	15 Gauge Dispensing Needle- Orange (Set of 25) L: 1 in. (25.4 mm) ID: .06 in. (1.52 mm)	1-50	\$ 5.20	51-100	\$ 4.94
EDN15-1-M	15 Gauge Dispensing Needle- Orange (Set of 1000) L: 1 in. (25.4 mm) ID: .06 in. (1.52 mm)	1-10	\$ 143.00	11-20	\$ 135.85
EDN15-M	15 Gauge Dispensing Needle- Orange (Set of 1000) L: 0.5 in. (12.7 mm) ID: .06 in. (1.52 mm)	1-10	\$ 143.00	11-20	\$ 135.85
EDN16-1-M	16 Gauge Dispensing Needle- Purple (Set of 1000) L: 1 in. (25.4 mm) ID: .053 in. (1.3462 mm)	1-10	\$ 143.00	11-20	\$ 135.85
EDN16-M	16 Gauge Dispensing Needle- Purple (Set of 1000) L: 0.5 in. (12.7 mm) ID: .053 in. (1.3462 mm)	1-10	\$ 143.00	11-20	\$ 135.85
EDN16T	16 Gauge Tapered Dispensing Needle-Grey (Set of 25) L: 1.25 in. (31.8 mm) ID: .048 in. (1.2 mm)	1-10	\$ 8.20	11-20	\$ 7.79
EDN16T-M	16 Gauge Tapered Dispensing Needle-Grey (Set of 1000) L: 1.25 in. (31.8 mm) ID: .048 in. (1.2 mm)	1-10	\$ 143.00	11-20	\$ 135.85
EDN17-1-M	17 Gauge Dispensing Needle- White (Set of 1000) L: 1 in. (25.4 mm) ID: .047 in. (1.1938 mm)	1-10	\$ 143.00	11-20	\$ 135.85
EDN17-M	17 Gauge Dispensing Needle- White (Set of 1000) L: 0.5 in. (12.7 mm) ID: .047 in. (1.1938 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN18	18 Gauge Dispensing Needle- Pink (Set of 25) L: .50 in. (12.7 mm) ID: .038 in. (0.97 mm)	1-50	\$ 5.20	51-100	\$ 4.94
EDN18-1	18 Gauge Dispensing Needle- Pink (Set of 25) L: 1 in. (25.4 mm) ID: .038 in. (.97 mm)	1-50	\$ 5.20	51-100	\$ 4.94
EDN18-1-M	18 Gauge Dispensing Needle- Pink (Set of 1000) L: 1 in. (25.4 mm) ID: .038 in. (.97 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN18-M	18 Gauge Dispensing Needle- Pink (Set of 1000) L: 0.5 in. (12.7 mm) ID: .038 in. (.97 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN18T	18 Gauge Tapered Dispensing Needle-Green (Set of 25) L: 1.25 in. (31.8 mm) ID: .034 in. (0.05 mm)	1-10	\$ 7.80	11-20	\$ 7.41
EDN18T-M	18 Gauge Tapered Dispensing Needle-Green (Set of 1000) L: 1.25 in. (31.8 mm) ID: .034 in. (0.9 mm)	1-10	\$ 143.00	11-20	\$ 135.85
EDN20	20 Gauge Dispensing Needle- Yellow (Set of 25) L: .50 in. (12.7 mm) ID: .026 in. (0.7 mm)	1-50	\$ 5.20	51-100	\$ 4.94
EDN20-1	20 Gauge Dispensing Needle- Yellow (Set of 25) L: 1 in. (25.4 mm) ID: .026 in. (.7 mm)	1-50	\$ 5.20	51-100	\$ 4.94
EDN20-1-M	20 Gauge Dispensing Needle- Yellow (Set of 1000) L: 1 in. (25.4 mm) ID: .026 in. (.7 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN20-M	20 Gauge Dispensing Needle- Yellow (Set of 1000) L: 0.5 in. (12.7 mm) ID: .026 in. (.7 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN20T	20 Gauge Tapered Dispensing Needle-Blue (Set of 25) L: 1.25 in. (31.8 mm) ID: .024 in. (0.6 mm)	1-10	\$ 8.20	11-20	\$ 7.79
EDN20T-M	20 Gauge Tapered Dispensing Needle-Pink (Set of 1000) L: 1.25 in. (31.8 mm) ID: .024 in. (0.6 mm)	1-10	\$ 143.00	11-20	\$ 135.85

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ITEM	DESCRIPTION	RETAIL			
EDN21	21 Gauge Dispensing Needle- Green (Set of 25) L: .50 in. (12.7 mm) ID: .023 in. (0.6 mm)	1-50	\$ 5.20	51-100	\$ 4.94
EDN21-1	21 Gauge Dispensing Needle- Green (Set of 25) L: 1 in. (25.4 mm) ID: .023 in. (0.6 mm)	1-50	\$ 5.20	51-100	\$ 4.94
EDN21-1-M	21 Gauge Dispensing Needle- Green (Set of 1000) L: 1 in. (25.4 mm) ID: .023 in. (0.6 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN21-M	21 Gauge Dispensing Needle- Green (Set of 1000) L: 0.5 in. (12.7 mm) ID: .023 in. (.6 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN22	22 Gauge Dispensing Needle- Black (Set of 25) L: .50 in. (12.7 mm) ID: .019 in. (0.5 mm)	1-50	\$ 4.00	51-100	\$ 3.80
EDN22-1	22 Gauge Dispensing Needle- Black (Set of 25) L: 1 in. (25.4 mm) ID: .019 in. (0.5 mm)	1-50	\$ 5.20	51-100	\$ 4.94
EDN22-1-M	22 Gauge Dispensing Needle- Black (Set of 1000) L: 1 in. (25.4 mm) ID: .019 in. (0.5 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN22-M	22 Gauge Dispensing Needle- Black (Set of 1000) L: 0.5 in. (12.7 mm) ID: .019 in. (.5 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN22T	22 Gauge Tapered Dispensing Needle-Blue (Set of 25) L: 1.25 in. (31.8 mm) ID: .017 in. (0.4 mm)	1-10	\$ 8.20	11-20	\$ 7.79
EDN22T-M	22 Gauge Tapered Dispensing Needle-Blue (Set of 1000) L: 1.25 in. (31.8 mm) ID: .017 in. (0.4 mm)	1-10	\$ 143.00	11-20	\$ 135.85
EDN23-M	23 Gauge Dispensing Needle- Light Blue (Set of 1000) L: 0.5 in. (12.7 mm) ID: .017 in. (.4318 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN25	25 Gauge Dispensing Needle- Blue (Set of 25) L: .50 in. (12.7 mm) ID: .012 in. (.3 mm)	1-50	\$ 5.20	51-100	\$ 4.94
EDN25-1	25 Gauge Dispensing Needle- Blue (Set of 25) L: 1 in. (25.4 mm) ID: .012 in. (.3 mm)	1-50	\$ 5.20	51-100	\$ 4.94
EDN25-1-M	25 Gauge Dispensing Needle- Blue (Set of 1000) L: 1 in. (25.4 mm) ID: .012 in. (.3 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN25-M	25 Gauge Dispensing Needle- Blue (Set of 1000) L: 0.5 in. (12.7 mm) ID: .012 in. (.3 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDN27-1-M	27 Gauge Dispensing Needle- Grey (Set of 1000) L: 1 in. (25.4 mm) ID: .008 in. (0.2032 mm)	1-10	\$ 101.40	11-20	\$ 96.33
EDS10	10cc Syringe with Stopper (Set of 15)	1-50	\$ 13.60	51-100	\$ 12.92
EDS1DK	Deluxe Kit includes Stand, Needles, Syringes and 1 each of 3, 5, 10 and 30cc Syringe Adapters	1-10	\$ 156.00	11-20	\$ 148.20
EDS2001	Deluxe Dispensing Shot Meter	1-5	\$ 708.00	6-10	\$ 672.60
EDS2001D	Deluxe Dispensing Shot Meter with EDS1DK Deluxe Kit includes Stand, Needles, Syringes and 1 each of 3, 5, 10 and 30cc Syringe Adapters	1-5	\$ 924.00	6-10	\$ 877.80
EDS3	3cc Syringe with Stopper (set of 20)	1-50	\$ 11.10	51-100	\$ 10.55
EDS30	30cc Syringe with Stopper (Set of 10)	1-50	\$ 14.10	51-100	\$ 13.40
EDS5	5cc Syringe with Stopper (Set of 20)	1-50	\$ 15.90	51-100	\$ 15.11
EDS807-HA	Metal Retainer Cap	1-5	\$ 221.13	6-10	\$ 210.07
EP100	KLATCH SMD Tweezers with Flat 30° Angled Tip for Holding and Placing SMD Components L: 4.5 in. (115 mm)	1-50	\$ 18.90	51-100	\$ 17.96
EP110	KLATCH SMD Tweezers with 45° Angled Head for Holding and Placing SMD Components L: 4.5 in. (115 mm)	1-50	\$ 18.90	51-100	\$ 17.96
EP120	KLATCH SMD Tweezers with Curved and Pointed Tip for Greater Visibility under Magnified Applications L: 4.8 in. (120 mm)	1-50	\$ 18.90	51-100	\$ 17.96

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ITEM	DESCRIPTION	RETAIL			
EP130	KLATCH SMD Tweezers with Broad Square Tip for Picking Up Components Vertically L: 4.9 in. (125 mm)	1-50	\$ 13.50	51-100	\$ 12.83
EP150	KLATCH SMD Narrow Tip Tweezers with 30° curvature for micro SMD's L: 5.2 in. (133 mm)	1-50	\$ 17.20	51-100	\$ 16.34
EP160	KLATCH SMD Tweezers with Special Tip for MINIMELPH components Tip Radius: 0.03 in. (0.8 mm) L: 4.6 in. (117 mm)	1-50	\$ 16.10	51-100	\$ 15.30
FA069	ATMOSCOPE SMD Hot Air Hand Tool 120V 60 Hz	1-5	\$ 376.50	6-10	\$ 357.68
FC639	Small End Cap Filter Assembly to be used with AF625 and SC525 includes OS132 and OS731	1-10	\$ 5.90	11-20	\$ 5.61
FC640	Filter Cartridge Assembly with AF625, FC639, OS132 and SC525	1-10	\$ 20.50	11-20	\$ 19.48
FC641	Large Filter Cartridge Assembly with AF041, OS731 and OS132	1+	\$ 82.40		
FS205	Foot Switch for Air Powered Tools	1-5	\$ 170.50	6-10	\$ 161.98
FX1	FUMINATOR Tip Extraction Unit for 1 Soldering Station	1-4	\$ 439.53	5+	\$ 417.55
FX10	FUMINATOR Tip Extraction Unit for 10 Soldering Stations	1-4	\$ 1,666.35	5+	\$ 1,583.03
FX100	FUMINATOR Tip Extraction Unit for 100 Soldering Stations	1-4	\$ 4,540.20	5+	\$ 4,313.19
FX1000	FUMINATOR High Volume Fume Extraction Unit (280 Maximum CFM)	1-4	\$ 3,888.15	5+	\$ 3,693.74
FX150	FUMINATOR Tip Extraction Unit for 150 Soldering Stations	1-4	\$ 5,405.00	5+	\$ 5,134.75
FX200	FUMINATOR Volume Fume Extraction Unit includes FXS5010, FXM5002 and FXS5008 Single 50 mm Inlet (60 CFM)	1-4	\$ 1,035.00	5+	\$ 983.25
FX2000	FUMINATOR High Volume Fume Extraction Unit (650 Maximum CFM)	1-4	\$ 5,397.53	5+	\$ 5,127.65
FX25	FUMINATOR Tip Extraction Unit for 25 Soldering Stations	1-4	\$ 1,859.55	5+	\$ 1,766.57
FX250	FUMINATOR High Volume Fume Extraction Unit (100 Maximum CFM)	1-4	\$ 1,412.78	5+	\$ 1,342.14
FX3	FUMINATOR Tip Extraction Unit for 3 Soldering Stations	1-4	\$ 1,086.75	5+	\$ 1,032.41
FX300	FUMINATOR Entry Level Volume Fume Extractor with Dual Inlets (188 Maximum CFM)	1-4	\$ 857.33	5+	\$ 814.46
FX3000	FUMINATOR High Volume Fume Extraction Unit (770 Maximum CFM)	1-4	\$ 5,651.10	5+	\$ 5,368.55
FX4000	FUMINATOR High Volume Fume Extraction Unit (1300 Maximum CFM)	1-4	\$ 11,459.18	5+	\$ 10,886.22
FX4001	FUMINATOR Super+ High Volume Fume Extraction Unit (1300 Maximum CFM)	1-4	\$ 12,980.63	5+	\$ 12,331.60
FX50	FUMINATOR Tip Extraction Unit for 50 Soldering Stations	1-4	\$ 3,260.25	5+	\$ 3,097.24
FX500	FUMINATOR High Volume Fume Extraction Unit (210 Maximum CFM)	1-4	\$ 2,656.50	5+	\$ 2,523.68
FX633	Tool Fixture for Various Manufacturer's Soldering Tools	1+	\$ 30.70		
FX635	Tool Fixture for EDSYN LONER and Various Manufacturer's Soldering Tools	1+	\$ 72.80		

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ITEM	DESCRIPTION	RETAIL			
FXA300	FUMINATOR Replacement Extraction Arm for FXT300	1-5	\$ 73.08	6-10	\$ 69.43
FXA5001	Articulated Arm Attachment with Table Mount Bracket for Volume Fume Extraction (50 mm Aluminum)	1+	\$ 289.80		
FXA5002	Articulated Arm Attachment with Wall Mount Kit for Volume Fume Extraction (50 mm Aluminum)	1+	\$ 470.93		
FXA5003	Articulated Arm Attachment with Wall Mount Kit for Volume Fume Extraction (50 mm Aluminum)	1+	\$ 398.48		
FXA5004	Articulated Arm Attachment with Wall Mount Kit for Volume Fume Extraction (50 mm Aluminum)	1+	\$ 362.25		
FXA5005	Articulated Arm Attachment with Table Mount Kit for Volume Fume Extraction (50 mm Aluminum)	1+	\$ 253.58		
FXA5006	Hood Accessory Square/Clear Plastic for 50 mm Articulated Arm Attachments Size: 11.7 x 9.8 in. (296 x 248 mm)	1+	\$ 101.43		
FXA5007	Hood Accessory Square Large/Clear Plastic for 50 mm Articulated Arm Attachments Size: 16.5 x 12.6 in. (420 x 320 mm)	1+	\$ 185.96		
FXA5008	Nozzle Accessory Static-Safe for 50 mm Articulated Arm Attachments L: 9.06 in. (230.0 mm)	1+	\$ 33.81		
FXA5009	Nozzle Accessory for 50 mm Articulated Arm Attachments L: 13.0 in. (330.0 mm)	1+	\$ 43.47		
FXA5010	Wide Nozzle Accessory for 50 mm Articulated Arm Attachments L: 3.94 in. (100.0 mm)	1+	\$ 96.60		
FXA5011	Wide Nozzle Accessory for 50 mm Articulated Arm Attachments L: 7.87 in. (200.0 mm)	1+	\$ 106.26		
FXA5013	Hood Accessory Round/White Static-Safe for 50 mm Articulated Arm Attachments L: 7.87 in. (200.0 mm)	1+	\$ 108.68		
FXA5014	Hood Accessory Round/Clear for 50 mm Articulated Arm Attachments L: 13.8 in. (350.0 mm)	1+	\$ 164.22		
FXA5015	Wall Bracket for 50 mm Articulated Arm Attachments	1+	\$ 132.83		
FXA5016	Articulated Arm Attachment Static-Safe with Table Mount Kit for Volume Fume Extraction (50 mm Stainless Steel)	1+	\$ 313.95		
FXA5017	Articulated Arm Attachment Static-Safe with Wall Mount Kit for Volume Fume Extraction (50 mm Aluminum)	1+	\$ 410.55		
FXA5018	Wide Nozzle Accessory Static- Safe for 50 mm Articulated Arm Attachments L: 7.87 in. (200.0 mm)	1+	\$ 137.66		
FXA5019	Nozzle Accessory Static-Safe for 50 mm Articulated Arm Attachments L: 9.1 in. (230 mm)	1+	\$ 36.23		
FXA5020	Nozzle Accessory Static-Safe for 50 mm Articulated Arm Attachments L: 13.0 in. (330.0 mm)	1+	\$ 43.47		
FXA7501	Articulated Arm Attachment with Table Mount Bracket for Volume Fume Extraction (75 mm Aluminum)	1+	\$ 422.63		
FXA7502	Articulated Arm Attachment with Ceiling Mount Kit for Volume Fume Extraction (75 mm Aluminum)	1+	\$ 507.15		

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ITEM	DESCRIPTION	RETAIL			
FXA7506	Hood Accessory Square Large/Clear Plastic for 75 mm Articulated Arm Attachments Size: 16.5 x 12.6 in. (420 x 320 mm)	1+	\$ 101.43		
FXA7513	Hood Accessory Round/White Static-Safe for 75 mm Articulated Arm Attachments L: 7.87 in. (200.0 mm)	1+	\$ 103.85		
FXA7514	Hood Accessory Round/Clear for 75 mm Articulated Arm Attachments L: 13.8 in. (350.0 mm)	1+	\$ 169.05		
FXA7521	Table Bracket for 75 mm Fume Extraction Articulated Arm Attachments	1+	\$ 91.70		
FXA7522	Nozzle Accessory for 75 mm Articulated Arm Attachments L: 9.84 in. (250.0 mm)	1+	\$ 48.30		
FXA7523	Wide Nozzle Accessory for 75 mm Articulated Arm Attachments L: 9.84 in. (250.0 mm)	1+	\$ 152.15		
FXA7524	Wide Nozzle Accessory for 75 mm Articulated Arm Attachments L: 15.8 in. (400.0 mm)	1+	\$ 185.96		
FXC501	Cowl Accessory-Clear 50 mm includes 6 feet Flex-Hose and 2-Clamps	1+	\$ 120.75		
FXC502	Cowl Accessory Static-Safe 50 mm includes 6 feet Flex-Hose and 2-Clamps	1+	\$ 130.41		
FXC751	Cowl Accessory-Clear 75 mm includes 6 feet Flex-Hose and 2-Clamps	1+	\$ 176.30		
FXC752	Cowl Accessory Static-Safe 75 mm includes 6 feet Flex-Hose and 2-Clamps	1+	\$ 195.62		
FXC753	Cowl Accessory with Light Static Safe 75 mm includes 6 feet Flex-Hose and 2-Clamps	1+	\$ 294.63		
FXE01	Cabinet with Flange for Volume Fume Extraction (50 mm)	1+	\$ 609.70		
FXE1004	Flange for Cabinets (100 mm)	1+	\$ 77.90		
FXE1254	Flange for Cabinets (125 mm)	1+	\$ 90.00		
FXE1604	Flange for Cabinets (160 mm)	1+	\$ 99.90		
FXE202	Cabinet without Flange for Volume Fume Extraction (100 mm)	1+	\$ 1,894.00		
FXE351	Cabinet with Flange for Volume Fume Extraction (80 mm)	1+	\$ 853.60		
FXE352	Cabinet without Flange for Volume Fume Extraction (80 mm)	1+	\$ 772.20		
FXE502	Cabinet without Flange for Volume Fume Extraction (160 mm)	1+	\$ 1,829.00		
FXE752	Cabinet without Flange for Volume Fume Extraction (2 x 160 mm)	1+	\$ 2,235.50		
FXE753	Cabinet without Flange and Sides for Volume Fume Extraction (2 x 160 mm)	1+	\$ 1,085.20		
FXE754	Flange for Cabinets (75 mm)	1+	\$ 36.00		
FXE804	Flange for Cabinets (80 mm)	1+	\$ 52.60		
FXF10	ATMOSCOPE FUMINATOR Bench Top Fume Extractor Fan with SR538 12VDC Transformer	1-10	\$ 135.60	11-50	\$ 128.82
FXF10-1	ATMOSCOPE FUMINATOR Bench Top Fume Extractor Fan	1+	\$ 120.30		
FXF10-230	ATMOSCOPE FUMINATOR Bench Top Fume Extractor Fan 230V European Style with SR572 12VDC Transformer and without Base	1+	\$ 139.90		

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ITEM	DESCRIPTION	RETAIL			
FXF11	Static-Safe FUMINATOR Bench Top Fume Extractor Fan with Solder Spool Holder and SR538 12VDC Transformer	1-10	\$ 128.20	11-50	\$ 121.79
FXF11-1	Static-Safe FUMINATOR Bench Top Fume Extractor Fan with Solder Spool Holder (Transformer not included)	1+	\$ 112.10		
FXF11-230	Static-Safe FUMINATOR Bench Top Fume Extractor Fan 230V European Style with SR572 and Solder Spool Holder	1+	\$ 132.10		
FXF11X	Static-Safe FUMINATOR Bench Top Fume Extractor Fan with additional multi-adjusting arm 12VDC Transformer	1+	\$ 105.84		
FXF12	Static-Safe FUMINATOR Bench Top Fume Extractor Fan with SH232 Tray, SR538 Transformer and Solder Spool Holder	1-10	\$ 136.90	11-50	\$ 130.06
FXF12-1	ATMOSCOPE FUMINATOR Bench Top Fume Extractor Fan with SH232 Tray and Solder Spool Holder (Transformer not included)	1+	\$ 194.90		
FXF12-230	Static-Safe FUMINATOR Bench Top Fume Extractor Fan 230V European Style with SH232 Tray SR572 Transformer and Solder Spool Holder	1+	\$ 144.50		
FXF14-1	Black Compact Static-Safe FUMINATOR Bench Top Fume Extractor Fan w/o Transformer	1+	\$ 94.10		
FXF14-230	Black Compact Static-Safe FUMINATOR Bench Top Fume Extractor Fan 230V European Style with SR572 12VDC Wall Transformer	1+	\$ 100.80		
FXF14W-1	White Compact FUMINATOR Bench Top Fume Extractor Fan without Transformer	1+	\$ 94.10		
FXF14W-230	White Compact FUMINATOR Table Top Fume Extractor Fan 230V European Style with SR572 12VDC Wall Transformer	1+	\$ 100.80		
FXF15-100	FUMINATOR Black Beauty Industry Table Top Fume and Residue Extractor Fan 100V with Round Base, and SR571 12VDC Transformer	1+	\$ 100.80		
FXF15-230	FUMINATOR Black Beauty Industry Table Top Fume and Residue Extractor Fan 230V European with Round Base and SR572 12VDC Transformer	1+	\$ 100.80		
FXF15-230B	FUMINATOR Black Beauty Industry Table Top Fume and Residue Extractor Fan 230V British with Round Base and SR821 12VDC Transformer	1+	\$ 100.80		
FXF15B-230	FUMINATOR Blue Beauty Industry Table Top Fume and Residue Extractor Fan 230V European with Round Base and SR572 12VDC Transformer	1+	\$ 100.80		
FXF15B-230B	FUMINATOR Blue Beauty Industry Table Top Fume and Residue Extractor Fan 230V British with Round Base and SR821 12VDC Transformer	1+	\$ 100.80		
FXF15G-100	FUMINATOR Green Beauty Industry Table Top Fume and Residue Extractor Fan 100V with Round Base and SR571 12VDC Transformer	1+	\$ 100.80		
FXF15G-230	FUMINATOR Green Beauty Industry Table Top Fume and Residue Extractor Fan 230V European with Round Base and SR572 12VDC Transformer	1+	\$ 100.80		

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ITEM	DESCRIPTION	RETAIL			
FXF15G-230B	FUMINATOR Green Beauty Industry Table Top Fume and Residue Extractor Fan 230V British with Round Base and SR821 12VDC Transformer	1+	\$ 100.80		
FXF15R-100	FUMINATOR Red Beauty Industry Table Top Fume and Residue Extractor Fan 100V with Round Base and SR571 12VDC Transformer	1+	\$ 100.80		
FXF15R-230	FUMINATOR Red Beauty Industry Table Top Fume and Residue Extractor Fan 230V European with Round Base and SR572 12VDC Transformer	1+	\$ 100.80		
FXF15R-230B	FUMINATOR Red Beauty Industry Table Top Fume and Residue Extractor Fan 230V British with Round Base and SR821 12VDC Transformer	1+	\$ 100.80		
FXF15W-100	FUMINATOR White Beauty Industry Table Top Fume and Residue Extractor Fan 100V with Round Base and SR571 12VDC Transformer	1+	\$ 100.80		
FXF15W-230	FUMINATOR White Beauty Industry Table Top Fume and Residue Extractor Fan 230V European with Round Base and SR572 12VDC Transformer	1+	\$ 100.80		
FXF15W-230B	FUMINATOR White Beauty Industry Table Top Fume and Residue Extractor Fan 230V British with Round Base and SR821 12VDC Transformer	1-10	\$ 100.80	11-50	\$ 95.76
FXI15	Installation Kit for FX25 Tip Fume Extraction Unit (EC Version)	1+	\$ 403.80		
FXI16	Installation Kit for FX25 Tip Fume Extraction Unit (US Version)	1+	\$ 454.20		
FXI250	Installation Kit for FX250 Volume Fume Extraction Unit (EC Version)	1+	\$ 59.40		
FXI251	Installation Kit for FX250 Volume Fume Extraction Unit with 2 Cowls/75 mm Arms (US Version)	1+	\$ 61.10		
FXI252	Installation Kit for FX250 Volume Fume Extraction Unit with 3 x 50 mm Arms (US Version)	1+	\$ 127.90		
FXI3	Installation Kit for FX3 Tip Fume Extraction Unit (EC Version)	1+	\$ 105.10		
FXI4	Installation Kit for FX3 Tip Fume Extraction Unit (US Version)	1+	\$ 105.10		
FXI501	Installation Kit for FX500 Volume Fume Extraction Unit with 4 x 50 mm Arms (US Version)	1+	\$ 445.30		
FXI502	Installation Kit for FX500 Volume Fume Extraction Unit with 2 Arms/Cowls (EC Version)	1+	\$ 113.70		
FXI503	Installation Kit for FX500 Volume Fume Extraction Unit with 3 Arms (EC Version)	1+	\$ 424.10		
FXI504	Installation Kit for FX500 Volume Fume Extraction Unit with 6 x 50 mm Arms (US Version)	1+	\$ 589.60		
FXI505	Installation Kit for FX500 Volume Fume Extraction Unit with 3 cowls/75 mm Arms (US Version)	1+	\$ 292.70		
FXI8	Installation Kit for FX10 Tip Fume Extraction Unit (EC Version)	1+	\$ 217.20		
FXI9	Installation Kit for FX10 Tip Fume Extraction Unit (US Version)	1+	\$ 244.30		
FXK01	Tip Extraction Conversion Kit for Metcal SP200 Iron includes Connector, Silicone Tube, Fasteners and Cleaning Brush	1+	\$ 28.20		

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ITEM	DESCRIPTION	RETAIL			
FXK02	Tip Extraction Conversion Kit for Metcal MX Irons includes Connector, Silicone Tube, Fasteners and Cleaning Brush	1+	\$	28.20	
FXK03	Tip Extraction Conversion Kit Static-Safe for Metcal SP200 Irons includes Connector, Silicone Tube, Fasteners and Cleaning Brush	1+	\$	36.90	
FXK04	Tip Extraction Conversion Kit Static-Safe for Metcal MX Irons includes Connector, Silicone Tube, Fasteners and Cleaning Brush	1+	\$	36.50	
FXK05	Holder for Metcal Iron	1+	\$	31.10	
FXK06	Tip Extraction Conversion Kit for JBC Iron includes Connector, Silicone Tube, Fasteners and Cleaning Brush	1+	\$	20.30	
FXK07	Tip Extraction Conversion Kit for Hakko Iron includes Connector, Silicone Tube, Fasteners and Cleaning Brush	1+	\$	41.60	
FXK08	Tip Extraction Conversion Kit for Weller Mini Iron includes Clip-On Kit, Connector, Silicone Tube, Cleaning Brush, Fasteners and Holder	1+	\$	41.60	
FXK09	Tip Extraction Conversion Kit for Weller Integral Iron includes Handle, Steel Tube, Silicone Tube, Fasteners, Holder and Cleaning Brush	1+	\$	55.30	
FXK10	Tip Extraction Universal Conversion Kit	1+	\$	41.60	
FXK11	Tip Extraction Universal Conversion Kit Static-Safe	1+	\$	30.24	
FXK12	Tip Extraction Conversion Kit for Ersa Irons includes Static Safe Silicone Tubing	1+	\$	42.50	
FXK13	Tip Extraction Conversion Kit for Ersa Irons includes 2 Ridge Clip and Static-Safe Silicone Tubing	1+	\$	28.70	
FXK14	Tip Extraction Conversion Kit for Ersa Irons includes 3 Ridge Clip and Static-Safe Silicone Tubing	1+	\$	28.70	
FXK15	Tip Extraction Conversion Kit for Ersa Irons includes 2 Ridge Clip and Large Tube	1+	\$	42.30	
FXK16	Tip Extraction Conversion Kit for Ersa Irons includes 3 Ridge Clip and Large Tube	1+	\$	42.30	
FXK17	Tip Extraction Conversion Kit for most Integral Irons includes Handle, Steel Tube, Silicone Tube, Fasteners, Holder and Cleaning Brush	1+	\$	62.70	
FXM75C	Cuff (75 mm) for use with FXM7502	1+	\$	8.82	
FXQ150	Silencer for FX150 Tip Fume Extraction Unit	1+	\$	72.90	
FXR01	Tip Extraction Accessory Tube for Weller Iron	1+	\$	10.80	
FXR02	Tip Extraction Accessory Tube for Weller Mini Iron	1+	\$	10.80	
FXR03	Tip Extraction Accessory Tube for Metcal Iron	1+	\$	10.80	
FXR04	Tip Extraction Accessory Tube for wide variety of Irons	1+	\$	10.80	
FXR06	Tip Extraction Accessory Brass Brush for Metcal Iron	1+	\$	3.20	
FXR07	Tip Extraction Accessory Brass Brush for Weller Iron	1+	\$	3.40	
FXR08	Tip Extraction Accessory Standard Silicone Tubing OD: 6.5 mm (.2 Minimum Quantity: 50 Meters	1+	\$	1.60	
FXR09	Tip Extraction Accessory Standard Silicone Tubing OD: 8.0 mm (.31 in.) Minimum Quantity: 25 Meters	1+	\$	2.70	

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ITEM	DESCRIPTION	RETAIL			
FXR11	Tip Extraction Accessory Static-Safe Silicone Tubing OD: 6.5 mm (.26 in.) Minimum Quantity: 50 Meters	1+	\$	4.90	
FXR12	Tip Extraction Accessory Static-Safe Silicone Tubing OD: 8.0 mm (.31 in.) Minimum Quantity: 25 Meters	1+	\$	5.70	
FXR15	Tip Extraction Accessory E" Clip"	1+	\$	0.60	
FXR16	Tip Extraction Accessory Clear Plug Connector	1+	\$	1.50	
FXR18	Tip Extraction Accessory Tub of Silicone Grease	1+	\$	1.80	
FXR19	Tip Extraction Accessory 2 Ridge Clip Static-Safe for FXK01 and FXK04	1+	\$	3.40	
FXR20	Tip Extraction Accessory 3 Ridge Clip Static-Safe for FXK01 and FXK03	1+	\$	3.40	
FXR21	Tip Extraction Accessory Blue Clip for FXK08	1+	\$	8.30	
FXR22	Tip Extraction Accessory Clip for FXK10	1+	\$	5.20	
FXR23	Tip Extraction Accessory Replacement Piece for Weller TCP Iron Holder	1+	\$	10.70	
FXR24	Gauge Replacement for FX500 (1-2000 mBar)	1+	\$	181.30	
FXR25	Gauge Replacement for FX1000 (0-1250 mBar)	1+	\$	181.30	
FXR26	Gauge Replacement for FX50 (0-250 mBar)	1+	\$	226.30	
FXR27	Hose Couple for 1/8 in. I.D. Hose to FX1, FXV2 and FX3 Fume Extraction Units	1+	\$	2.10	
FXS1213	Flex-Arm Attachment for Tip Fume Extraction ID: .47 in. (12.0 mm) L: 17.7 in. (450.0 mm)	1+	\$	123.90	
FXS3202	Arm Attachment with Nozzle Static-Safe and Through- Bench Kit for Volume Fume Extraction (32 mm Stainless Steel)	1+	\$	103.32	
FXS3225	Arm Attachment with Funnel Static-Safe and Through- Bench Kit for Volume Fume Extraction (32 mm ESD Black Plastic)	1+	\$	103.32	
FXS5008	Flip-Top Flush Mounting System Seal for Volume Fume Extraction	1+	\$	23.94	
FXS5009	Through Bench Kit for Static- Safe Arm Attachments	1+	\$	32.76	
FXS5010	Table Bracket for 32 mm and 50 mm Fume Extraction Arm Attachments	1+	\$	42.84	
FXS5011	Table Bracket for Hanging FX1 and FX3 Fume Extraction Systems	1+	\$	42.50	
FXS5015	Arm Attachment Static-Safe with Nozzle and Through- Bench Kit for Volume Fume Extraction (50 mm ESD Black Plastic)	1+	\$	110.88	
FXS5016	Arm Attachment Static-Safe with Funnel and Through- Bench Kit for Volume Fume Extraction (50 mm ESD Black Plastic)	1+	\$	110.88	
FXS5017	Arm Attachment with Fan Nozzle Static-Safe and Through-Bench Kit for Volume Fume Extraction (50 mm ESD Black Plastic)	1+	\$	123.48	
FXS7510	Table Bracket for 75 mm Fume Extraction Arm Attachments	1+	\$	86.20	
FXS7516	Arm Attachment Static-Safe with Funnel and Mounting Bracket for Volume Fume Extraction (75 mm ESD Black Plastic)	1+	\$	173.88	
FXS7518	Arm Attachment Static-Safe with Funnel for FX300 Volume Extraction Unit (75 mm ESD Black Plastic)	1+	\$	105.84	

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ITEM	DESCRIPTION	RETAIL			
FXT1	Installation Fume Accessory Hot Plate	1+	\$ 853.10		
FXT100	FUMINATOR Fume Extraction Workstation with 50mm connection to Volume Unit Provides Downdraft Table Extraction Only	1-4	\$ 336.00	5+	\$ 319.20
FXT2	Installation Fume Accessory Pipe Cutter (50-127 mm)	1+	\$ 838.90		
FXT200	FUMINATOR Fume Extraction Workstation with 75mm connection to Volume Unit Provides Downdraft or Plenum (Cowl) Extraction	1-4	\$ 313.60	5+	\$ 297.92
FXT300	FUMINATOR Fume Extraction Workstation with 75mm connection to Volume Unit Provides Downdraft, Arm or Plenum (Cowl) Extraction	1-4	\$ 730.80	5+	\$ 694.26
FXT300-1	FUMINATOR Replacement Conductive Work Pad Pre-Filter for FXT300 (Set of 5)	1-5	\$ 35.88	6-10	\$ 34.09
FXV2	FUMINATOR Tip Extraction Unit for 2 Soldering Stations Shop Air Required (80-90 psi)	1-4	\$ 398.50	5+	\$ 378.58
HB355	Hose Reducer ID: 1/8 in. to 1/16 in.	1+	\$ 4.30		
HB356	Hose Coupler ID: 1/8 in. to 1/8 in.	1+	\$ 4.30		
HB357	Threaded Hose Barb Fitting (1/8 in. x 1/8-27 NPT)	1+	\$ 4.30		
HB358	Threaded Hose Barb Pipe Fitting (5/32 in. x 1/8-27 NPT)	1+	\$ 4.30		
HB359	Quick Disconnect Fitting for HB357 and HB358 (1/8-27 NPT)	1+	\$ 4.30		
HB360	Hose Reducer Coupler ID: 3/16 in. to 1/8 in.	1+	\$ 4.30		
HB361	Quick Disconnect Fitting for SR738 Used on 100V Series using Shop Air	1+	\$ 16.00		
HC251	Large Hose Extension Coupler ID: 1/4 in. to 1/4 in.	1+	\$ 1.90		
HC252	Hose Conversion Single to Dual Coupler with Check Valve Connect 2 x LP252 Pickup Tool to VA175-1 Air and Vacuum	1+	\$ 54.20		
HC259	Hose Reducer ID: 1/4 in. to 1/8 in.	1+	\$ 2.20		
HC273	Threaded Retaining Collar for LONER Tips ID: .161 in.	1-5	\$ 2.30	6-10	\$ 2.19
HL603	Static-Safe Silicone Black Hose 3/16 in. ID x 1/16 in. Wall (sold per foot or .305 m)	Per Ft.	\$ 4.60		
HP371	LONER High Performance Spade Soldering Tip W: .03 in. (0.8 mm) L: .57 in. (14.5 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP374	LONER High Performance Conical Soldering Tip W: .05 in. (1.2 mm) L: .57 in. (14.5 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP375	LONER High Performance Spade Soldering Tip W: .06 in. (1.5 mm) L: .57 in. (14.5 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP376	LONER High Performance Spade Soldering Tip W: .12 in. (3.0 mm) L: .57 in. (14.5 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP380	LONER High Performance Conical Soldering Tip W: .02 in. (0.5 mm) L: .49 in. (12.4 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP382	LONER High Performance Conical Soldering Tip W: .02 in. (0.5 mm) L: .67 in. (17.1 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP394-1	LONER High Performance Angled Spade Soldering Tip W: .07 in. (1.8 mm) L: .097 in. (24.6 mm)	1-50	\$ 17.10	51-100	\$ 16.25
HP395	LONER High Performance Spade Soldering Tip W: .09 in. (2.3 mm) L: .79 in. (20.1 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP396	SOLDASIP High Performance Mini-Flow Rework Tip L: .69 in. (17.4 mm) W: .13 in (3.3 mm)	1-10	\$ 23.40	11-50	\$ 22.23

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ITEM	DESCRIPTION	RETAIL			
HP398	LONER High Performance Angle Face Soldering Tip W: .12 in. (3.0 mm) L: .75 in. (19.0 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP399	LONER High Performance Angle Face Soldering Tip W: .21 in. (5.3 mm) L: .39 in. (9.9 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP424	LONER High Performance Spade Soldering Tip W: .06 in. (1.5 mm) L: .79 in. (20.0 mm)	1-50	\$ 18.90	51-100	\$ 17.96
HP429	LONER High Performance Conical Soldering Tip W: .06 in. (1.5 mm) L: .79 in. (20.0 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP429-1	LONER High Performance Angled Conical Soldering Tip W: .03 in. (0.8 mm) L: .51 in. (13.0 mm)	1-50	\$ 18.10	51-100	\$ 17.20
HP439-1	LONER High Performance Angled Conical Soldering Tip W: .04 in. (1.0 mm) L: .75 in. (19.0 mm)	1-50	\$ 18.10	51-100	\$ 17.20
HP441	LONER High Performance Spade Soldering Tip W: .20 in. (5.1 mm) L: .55 in. (14.0 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP444	LONER High Performance Spade Soldering Tip W: .04 in. (1.0 mm) L: .83 in. (21.1 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HP444-1	LONER High Performance Angled Spade Soldering Tip W: .02 in. (0.5 mm) L: .76 in. (19.3 mm)	1-50	\$ 18.10	51-100	\$ 17.20
HP602-1	LONER High Performance Angled Conical Soldering Tip W: .02 in. (0.5 mm) L: .54 in. (13.6 mm)	1-50	\$ 18.10	51-100	\$ 17.20
HP603	LONER High Performance Conical Soldering Tip W: .02 in. (0.5 mm) L: .82 in. (20.8 mm)	1-50	\$ 14.10	51-100	\$ 13.40
HPA02	LONER High Performance Tip Adapter for use with CROWN or Universal Tips	1-50	\$ 15.20	51-100	\$ 14.44
HPC71	LONER High Performance Tip Adapter for use with Universal Soldering Tips	1-50	\$ 16.10	51-100	\$ 15.30
HPS72	Retaining Sleeve and Bushing Assembly for 951HP, 952HP and 952HX High Performance Soldering Stations	1-10	\$ 9.60	11-20	\$ 9.12
HPS82	Retaining Sleeve for High Performance Soldering Stations	1+	\$ 7.30		
HS106A	LONER Heavy Duty Threaded Spade Soldering Tip W: .18 in. (4.6 mm) L: .45 in. (11.4 mm)	1-10	\$ 11.50	11-20	\$ 10.93
HS106BC	LONER Heavy Duty Spade Soldering Tip W: .18 in. (4.6 mm) L: .45 in. (11.4 mm)	1-10	\$ 12.30	11-20	\$ 11.69
HS304	Static-Safe Silicone Black Hose 1/16 in. I.D. x 1/32 in. Wall (sold per foot or .305 m)	Per Ft.	\$ 2.70		
HS305	Static-Safe Silicone Black Hose for LP250 Pick-Up Tool ID: 3/32 in. x 1/25 in. Wall (sold per foot or .305 m)	Per Ft.	\$ 2.50		
HS307	Static-Safe Silicone Black Hose ID: 1/8 in. x 1/16 in. Wall (sold per foot or .305 m)	Per Ft.	\$ 2.90		
HS308	Polyurethane Black Hose ID: 3/32 in. x 1/32 in. Wall (sold per foot or .305 m)	Per Ft.	\$ 1.30		
HS320	Static-Safe Silicone Black Hose ID: 1/4 in. x 3/32 in. Wall (sold per foot or .305 m)	Per Ft.	\$ 4.20		
HT01	Replacement Tube for HT500	1-10	\$ 7.60	11-20	\$ 7.22
HT495	Hot Tube for FA069 Hot Air Tool	1+	\$ 4.40		
HT500	SOLDAPULLT Hot Tip Desoldering Hand Tool	1-10	\$ 328.40	11-20	\$ 311.98
HT500-1	SOLDAPULLT Hot Tip Desoldering Hand Tool with Black Binder Connector	1-10	\$ 333.50	11-20	\$ 316.83
HT500-2	SOLDAPULLT Hot Tip Desoldering Hand Tool with Black Connector for ZD500DX	1-10	\$ 408.00	11-20	\$ 387.60

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ITEM	DESCRIPTION	RETAIL			
IP329	IDLE-REST Soldering Tool Base with PD528 Pod	1-10	\$ 26.20	11-20	\$ 24.89
IP481	IDLE-REST Static-Safe Soldering Tool Base with PD528 Pod	1-10	\$ 19.10	11-20	\$ 18.15
IP481-2	IDLE-REST Static-Safe Soldering Tool Base with PD528-1 Pod (Solder Debris Collector not included)	1-10	\$ 19.10	11-20	\$ 18.15
IP489	IDLE-REST Static-Safe Hot Air Tool Base with LN230, RS199 and RS243	1-10	\$ 40.00	11-20	\$ 38.00
IR089	IDLE-REST Portable Tool Base for CL1080 and CL1180	1-10	\$ 55.40	11-20	\$ 52.63
IT736	Inner Tube for AC736 Tip Adapter	1-10	\$ 6.90	11-20	\$ 6.56
IT738	Inner Tube for LP252 and LPN50	1+	\$ 8.80		
KZ120	KLATCH Static-Safe Flush Cutters with Lead Catcher L: 4.7 in (120 mm)	1-5	\$ 25.30	6-10	\$ 24.04
KZ130	KLATCH Static-Safe Flush Cutters with Lead Catcher L: 5.1 in (130 mm)	1-5	\$ 25.30	6-10	\$ 24.04
LC363	Locking Collar for 1/4 in. O.D. High Pressure Hose (Set of 5)	1+	\$ 3.50		
LK773H	Universal Temperature Lock Knob with Adjustment Hole for LONER Soldering Stations	1-5	\$ 6.00	6-10	\$ 5.70
LN230	Liner for SH230 Sponge Holder	1+	\$ 1.80		
LN250	Small Angled Lifting Needle with SP125 Suction Cup for LP200 OD: .05 in. (1.3 mm) L: .50 in. (12.7 mm)	1-5	\$ 3.00	6-10	\$ 2.85
LN250S	Angled Stealth Lifting Needle with SP125 Suction Cup for LP200 OD: .05 in. (1.3 mm) L: .50 in. (12.7 mm)	1-5	\$ 9.10	6-10	\$ 8.65
LN251	Straight Lifting Needle with SP125 Suction Cup for LP200 OD: .05 in. (1.3 mm) L: .50 in. (12.7 mm)	1-5	\$ 3.00	6-10	\$ 2.85
LN251S	Straight Stealth Lifting Needle with SP125 Suction Cup for LP200 OD: .05 in. (1.3 mm) L: .50 in. (12.7 mm)	1-5	\$ 9.00	6-10	\$ 8.55
LN260	Angled Lifting Needle with SP250 Suction Cup for LP200 OD: .07 in. (1.8 mm) L: .50 in. (12.7 mm)	1-5	\$ 3.00	6-10	\$ 2.85
LN260S	Angled Stealth Lifting Needle with SP250 Suction Cup for LP200 OD: .07 in. (1.8 mm) L: .50 in. (12.7 mm)	1-5	\$ 12.90	6-10	\$ 12.26
LN261	Medium Straight Lifting Needle with SP250 Suction Cup for LP200 OD: .07 in. (1.8 mm) L: .50 in. (12.7 mm)	1-5	\$ 3.00	6-10	\$ 2.85
LN261S	Straight Stealth Lifting Needle with SP250 Suction Cup for LP200 OD: .07 in. (1.8 mm) L: .50 in. (12.7 mm)	1-5	\$ 11.20	6-10	\$ 10.64
LN270	Large Angled Lifting Needle with SP375 Suction Cup for LP200 OD: .07 in. (1.8 mm) L: .50 in. (12.7 mm)	1-5	\$ 3.00	6-10	\$ 2.85
LN270S	Angled Stealth Lifting Needle with SP375 Suction Cup for LP200 OD: .07 in. (1.8 mm) L: .50 in. (12.7 mm)	1-5	\$ 12.90	6-10	\$ 12.26
LN271	Straight Lifting Needle with SP375 Suction Cup for LP200 OD: .07 in. (1.8 mm) L: .50 in. (12.7 mm)	1-5	\$ 3.00	6-10	\$ 2.85
LN271S	Straight Stealth Lifting Needle with SP375 Suction Cup for LP200 OD: .07 in. (1.8 mm) L: .50 in. (12.7 mm)	1-5	\$ 11.20	6-10	\$ 10.64

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ITEM	DESCRIPTION	RETAIL			
LN272S	Angled Stealth Lifting Needle with SPS12 and SPS25 for LP200 OD: .07 in. (1.8 mm) L: .55 in. (14.0 mm)	1-5	\$ 4.40	6-10	\$ 4.18
LN274	SOLDAVAC Static-Safe Air and Vacuum Needle for VA175	1-5	\$ 52.00	6-10	\$ 49.40
LN275	Angled Lifting Needle for LP250, LP252 and VA175 includes HC273 OD: .03 in. (.76 mm)	1-5	\$ 29.90	6-10	\$ 28.41
LN275-1	Angled Lifting Needle for LP250, LP252 and VA175 includes HC273 OD: .02 in. (0.5 mm)	1+	\$ 46.80		
LN275-2	Angled Lifting Needle for LP250, LP252 and VA175 includes HC273 OD: .01 in. (0.2 mm)	1+	\$ 58.50		
LN276	Angled Lifting Needle for LP250, LP252 and VA175 includes HC273 OD: .07 in. (1.8 mm) L: .50 in. (12.7 mm)	1-5	\$ 17.90	6-10	\$ 17.01
LN277	Angled Lifting Needle for LP250, LP252 and VA175 includes CS468-2 and HC273 OD: .05 in. (1.3 mm) L: .9 in. (22.9 mm)	1-5	\$ 41.30	6-10	\$ 39.24
LN278	Angled Lifting Needle for LP250, LP252 and VA175 includes CS469 and HC273 OD: .05 in (1.3 mm) L: 1.9 in. (48.3 mm)	1-5	\$ 59.80	6-10	\$ 56.81
LN279	Angled Lifting Needle for LP250, LP252 and VA175 includes CS469 and HC273 OD: .03 in (0.8 mm) L: 1.9 in. (48.3 mm)	1-5	\$ 30.40	6-10	\$ 28.88
LN282	Right-Angle Lifting Needle O.D.: .07 in. (1.8 mm) L: 2.8 in. (71 mm)	1-5	\$ 42.50	6-10	\$ 40.38
LN283	Right-Angle Lifting Needle O.D.: .07 in. (1.8 mm) L: 4.4 in. (112 mm)	1-5	\$ 54.70	6-10	\$ 51.97
LN284	Angled Lifting Needle for LP250, LP252 and VA175 O.D.: .07 in. (1.8 mm) L: 2.0 in. (51 mm)	1-5	\$ 41.80	6-10	\$ 39.71
LN285	Angled Lifting Needle for LP250, LP252 and VA175 O.D.: .10 in. (2.4 mm) L: 2.1 in. (52 mm)	1-5	\$ 50.10	6-10	\$ 47.60
LN286	OCTAVAC Angled Lifting Needle with LN286-1 .75 in. (19.1 mm) Pickup Disk	1-5	\$ 90.80	6-10	\$ 86.26
LN286-1	OCTAVAC .75 in. (19.1 mm) Pickup Silicone Disk for LN286 and LN297	1+	\$ 4.30		
LN287	OCTAVAC Straight Lifting Needle with .75 in. (19.1 mm) .75 in. (19.1 mm) Pickup Disk	1-5	\$ 90.80	6-10	\$ 86.26
LN288	OCTAVAC Angled Lifting Needle with .5 in. (12.7 mm) Pickup Disk	1-5	\$ 90.80	6-10	\$ 86.26
LN288-1	OCTAVAC .5 in. (12.7 mm) Pickup Silicone Disk for LN288	1+	\$ 4.30		
LN289	OCTAVAC Dual Angled Lifting Needle with 1 in. (25.4 mm) Pickup Disks	1-5	\$ 126.60	6-10	\$ 120.27
LN289-1	OCTAVAC 1 in. (25.4 mm) Pickup Silicone Disk for LN289, LN290, LN292 and LN293	1+	\$ 4.30		
LN290	OCTAVAC Flat Lifting Needle with 1 in. (25.4 mm) Pickup Disk	1-5	\$ 94.10	6-10	\$ 89.40
LN291	OCTAVAC Angled Lifting Needle with 1.28 in. (32.5 mm) Pickup Disk	1-5	\$ 103.00	6-10	\$ 97.85
LN291-1	OCTAVAC 1.28 in. (32.5 mm) Pickup Silicone Disk for LN291	1+	\$ 4.30		
LN292	OCTAVAC Angled Lifting Needle with 1 in. (25.4 mm) Pickup Disk	1-5	\$ 94.10	6-10	\$ 89.40

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ITEM	DESCRIPTION	RETAIL			
LN293	OCTAVAC Dual Flat Lifting Needle with 1 in. (25.4 mm) Pickup Disks	1-5	\$ 126.60	6-10	\$ 120.27
LN293H	OCTAVAC Dual Flat Lifting Needle with 1 in. (25.4 mm) Pickup Disks and Disk Support	1-5	\$ 162.50	6-10	\$ 154.38
LN294D	OCTAVAC Flat Lifting Needle with 1.2 inch Pickup Disk and Delrin Surface	1-5	\$ 136.00	6-10	\$ 129.20
LN294DH	OCTAVAC Flat Lifting Needle with 1.2 in. (30.5 mm) Delrin Pickup Disk and Disk Support	1-5	\$ 136.50	6-10	\$ 129.68
LN296D	OCTAVAC Flat Lifting Needle with 1.62 in. (41.2 mm) Delrin Pickup Disk	1-5	\$ 113.80	6-10	\$ 108.11
LN296T	OCTAVAC Flat Lifting Needle with 1.62 in. (41.2 mm) Teflon Pickup Disk	1-5	\$ 113.80	6-10	\$ 108.11
LN297D	OCTAVAC Flat Lifting Needle with 2.5 in. (63.5 mm) Delrin Pickup Disk	1-5	\$ 113.80	6-10	\$ 108.11
LN297T	OCTAVAC Flat Lifting Needle with 2.5 in. (63.5 mm) Teflon Pickup Disk	1-5	\$ 113.80	6-10	\$ 108.11
LN298	OCTAVAC Flat Lifting Needle with .62 in. (15.8 mm) Pickup Disk	1-5	\$ 89.40	6-10	\$ 84.93
LN299-1	OCTAVAC 1.92 in. (48.7 mm) Pickup Silicone Disk for LN299, LP257D and LP257T	1-5	\$ 9.18	6-10	\$ 8.72
LN299D	OCTAVAC Ultra-Thin Lifting Flat Lifting Needle with Delrin Surface Pick-Up Disk O.D.: 1.62 in. (41.4 mm)	1-5	\$ 172.25	6-10	\$ 163.64
LN299T	OCTAVAC Ultra-Thin Lifting Flat Lifting Needle with Teflon Surface Pick-Up Disk O.D.: 1.62 in. (41.4 mm)	1-5	\$ 184.08	6-10	\$ 174.88
LN300	OCTAVAC Angled Lifting Needle with SPA25-1 .35 in. (9 mm) Static Safe Pickup Disk	1-5	\$ 91.52	6-10	\$ 86.94
LN301	Edge Lifting Needle	1-10	\$ 22.88	11-20	\$ 21.74
LN400	Straight Lifting Probe O.D.: .02 in. (.5 mm) I.D.: .005 in. (.12 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99
LN400-1	Angled Lifting Probe O.D.: .02 in. (.5 mm) I.D.: .005 in. (.12 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99
LN401	Straight Lifting Probe O.D.: .02 in. (.5 mm) I.D.: .01 in. (.25 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99
LN401-1	Angled Lifting Probe O.D.: .02 in. (.5 mm) I.D.: .01 in. (.25 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99
LN401T	Straight Lifting Probe O.D.: .02 in. (.5 mm) I.D.: .01 in. (.25 mm) with High-Temperature Torlon Tip	1-10	\$ 32.27	11-20	\$ 30.66
LN401T-1	Angled Lifting Probe O.D.: .02 in. (.5 mm) I.D.: .01 in. (.25 mm) with High Temperature Torlon Tip	1-10	\$ 32.27	11-20	\$ 30.66
LN402	Straight Lifting Probe O.D.: .03 in. (.76 mm) I.D.: .02 in. (.5 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99
LN402-1	Angled Lifting Probe O.D.: .03 in. (.76 mm) I.D.: .02 in. (.5 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99
LN402T	Straight Lifting Probe O.D.: .03 in. (.76 mm) I.D.: .02 in. (.5 mm) with High-Temperature Torlon Tip	1-10	\$ 32.27	11-20	\$ 30.66
LN402T-1	Angled Lifting Probe O.D.: .03 in. (.76 mm) I.D.: .02 in. (.5 mm) with High-Temperature Torlon Tip	1-10	\$ 32.27	11-20	\$ 30.66
LN403	Straight Lifting Probe O.D.: .04 in. (1 mm) I.D.: .03 in. (.76 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99
LN403-1	Angled Lifting Probe O.D.: .04 in. (1 mm) I.D.: .03 in. (.76 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99

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ITEM	DESCRIPTION	RETAIL			
LN403T	Straight Lifting Probe O.D.: .04 in. (1 mm) I.D.: .03 in. (.76 mm) with High-Temperature Torlon Tip	1-10	\$ 32.27	11-20	\$ 30.66
LN403T-1	Angled Lifting Probe O.D.: .04 in. (1 mm) I.D.: .03 in. (.76 mm) with High-Temperature Torlon Tip	1-10	\$ 32.27	11-20	\$ 30.66
LN404	Straight Lifting Probe O.D.: .06 in. (1.5 mm) I.D.: .04 in. (1 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99
LN404-1	Angled Lifting Probe O.D.: .06 in. (1.5 mm) I.D.: .04 in. (1 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99
LN404T	Straight Lifting Probe O.D.: .06 in. (1.5 mm) I.D.: .04 in. (1 mm) with High-Temperature Torlon Tip	1-10	\$ 32.27	11-20	\$ 30.66
LN404T-1	Angled Lifting Probe O.D.: .06 in. (1.5 mm) I.D.: .04 in. (1 mm) with High-Temperature Torlon Tip	1-10	\$ 32.27	11-20	\$ 30.66
LN405	Straight Lifting Probe O.D.: .08 in. (2 mm) I.D.: .06 in. (1.5 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99
LN405-1	Angled Lifting Probe O.D.: .08 in. (2 mm) I.D.: .06 in. (1.5 mm) with Static-Safe Delrin Tip	1-10	\$ 28.41	11-20	\$ 26.99
LN405T	Straight Lifting Probe O.D.: .08 in. (2 mm) I.D.: .06 in. (1.5 mm) with High-Temperature Torlon Tip	1-10	\$ 32.27	11-20	\$ 30.66
LN405T-1	Angled Lifting Probe O.D.: .08 in. (2 mm) I.D.: .06 in. (1.5 mm) with High-Temperature Torlon Tip	1-10	\$ 32.27	11-20	\$ 30.66
LNA27	Lifting Needle Adapter for LP2000 and Lifting Needles with EDSYN threads	1-5	\$ 10.30	6-10	\$ 9.79
LNK01	OCTAVAC Lifting Needle Kit for LP2000 with LN287, LN288, LN289, LN290, LN291 and WT618	1+	\$ 443.30		
LNQ26	Lifting Adapter for Quick Change Disks for Vacuum Gauge or Indicator	1-5	\$ 211.25	6-10	\$ 200.69
LNQ27	Adapter Vacuum Plenum without Gauge for LP2000	1-5	\$ 231.57	6-10	\$ 219.99
LNQ28	Lifting Adapter for Quick Change Disks used on LP2000	1-10	\$ 71.50	11-20	\$ 67.93
LNS29	Adjustable Disk Support for Lifting Needles used on LP2000	1-5	\$ 128.70	6-10	\$ 122.27
LP1000	PIXTER Battery Powered Portable Vacuum system with 6 in. Wafer Handling Wand	1+	\$ 1,474.20		
LP200	SOLDAVAC Lifter by Pen-Vac Portable Vacuum Pick-Up Tool includes LN250, LN260 and LN270 Angled Lifting Needles	1-5	\$ 33.30	6-10	\$ 31.64
LP2000	PIXTER Vacuum Pick-Up Tool with LN286 Angled Lifting Needle	1-10	\$ 455.00	11-20	\$ 432.25
LP2000K	PIXTER Vacuum Pick-Up Tool Kit	1+	\$ 1,055.70		
LP201	SOLDAVAC Lifter by Pen-Vac Portable Vacuum Pick-Up Tool with LN251, LN261 and LN271 Straight Lifting Needles	1-5	\$ 33.30	6-10	\$ 31.64
LP250	SOLDAVAC SMD Pick-Up Tool includes PD534 Tool Holder (Requires Vacuum Source)	1-5	\$ 66.00	6-10	\$ 62.70
LP251	SOLDAVAC SMD Pick-Up Tool with Component Release Valve includes PD534 Tool Holder (Requires Vacuum Source)	1-5	\$ 86.60	6-10	\$ 82.27
LP252	SOLDAVAC Air and Vacuum Pick-Up Tool for VA175 includes PD534	1-5	\$ 123.80	6-10	\$ 117.61
LP253	SOLDAVAC SMD Pick-Up Tool includes PD534 Tool Holder (Requires Vacuum Source) No Finger Control for VA270	1-5	\$ 123.80	6-10	\$ 117.61

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LP255	SOLDAVAC SMD Pick-Up Tool includes PD534 Tool Holder for VA170 (Requires Vacuum Source)	1-5	\$ 123.80	6-10	\$ 117.61
LP257D	SOLDAVAC Clean Room Vacuum Pickup Tool with 1.62 in. (41.2 mm) Flat Delrin Pickup	1-5	\$ 149.50	6-10	\$ 142.03
LP257T	SOLDAVAC Clean Room Vacuum Pickup Tool with 1.62 in. (41.2 mm) Flat Teflon Pickup Disk	1-5	\$ 149.50	6-10	\$ 142.03
LP258	SOLDAVAC Vacuum Pick-Up Tool for VA175 and VA253 Valve normally closed	1-10	\$ 128.57	11-20	\$ 122.14
LP260	Vacuum Hand Tool	1-5	\$ 367.14	6-10	\$ 348.78
LP261	SOLDAVAC Vacuum Pick-Up Tool for VA175 and VA253 Valve normally open	1-10	\$ 128.57	11-20	\$ 122.14
LP284LS	Static-Safe Loading Peg for SOLDAPULLT Successor Models	1-5	\$ 8.00	6-10	\$ 7.60
LPG51	In-Line Gauge Adapter for LP2000	1-5	\$ 157.30	6-10	\$ 149.44
LPG52	Angled Tip Gauge Adapter with Gauge Base for LP2000	1+	\$ 225.00		
LPN50	Air and Vacuum Extended Head Piece for LP252 L: 2.0 in. (50.8 mm)	1-5	\$ 13.60	6-10	\$ 12.92
LQ121	Static-Safe Clip and Tip Remover with LS135 Tippet for DS017LQ and LS165	1-10	\$ 3.50	11-20	\$ 3.33
LQ125	Static-Safe Clip and Tip Remover with 3-LS135 Tippets for DS017LQ and LS165	1-10	\$ 9.70	11-20	\$ 9.22
LRT14	Long Replacement Tip for PT309 ID: .125 in. (3.2 mm) L: 2.00 in. (50.8 mm)	1-10	\$ 12.30	11-50	\$ 11.69
LS135	Static-Safe Replacement Tippet for DS017LQ and LS165 ID: .125 in. (3.2 mm) L: .850 in. (21.6 mm)	1-10	\$ 2.90	11-50	\$ 2.76
LS145	Static-Safe Slide-In Standard Replacement Tippet for AF520	1-50	\$ 3.60	51-100	\$ 3.42
LS146	Static-Safe Slide-In Micro Replacement Tippet for AF514 and AF520	1-50	\$ 5.70	51-100	\$ 5.42
LS197	Static-Safe Replacement Tip for AS196, DS017LS, US340 and PT409 ID: .125 in. (3.2 mm) L: .536 in. (13.6 mm)	1-50	\$ 2.80	51-100	\$ 2.66
LS315	Static-Safe Micro Tip for PT509	1-10	\$ 5.50	11-20	\$ 5.23
LS363	Static-Safe Replacement Tip for SS011LS and SS350 ID: .125 in. (3.2 mm) L: .536 in. (13.6 mm)	1-50	\$ 3.15	51-100	\$ 2.99
LS561	Static-Safe Micro Tip with Plastic Threaded End Cap for DS517 ID: .08 in. (2.4 mm) L: .54 in. (14.3 mm)	1-50	\$ 6.90	51-100	\$ 6.56
LS751	Static-Safe Replacement Tippet for SS750LS ID: .100 in. (2.5 mm) L: .875 in. (22.2 mm)	1-50	\$ 1.90	51-100	\$ 1.81
LS753	Static-Safe Replacement Tippet for PT409MT ID: .125 in. (3.2 mm) L: .850 in. (21.6 mm)	1-50	\$ 2.10	51-100	\$ 2.00
LS915	Replacement Tip for SS343	1-50	\$ 3.15	51-100	\$ 2.99
LST10	LONER Soldering Tool 24V 50W for PS900 and PS902 (Hollow Threaded Heater)	1-10	\$ 84.00	11-20	\$ 79.80
LST10-1	LONER Soldering Tool 24V 50W for PS900/902/-230/-24, Hollow Threaded Heater (Binder Conn) Either LT311A or LT376 Tip	1-10	\$ 84.00	11-20	\$ 79.80
LST11	LONER Soldering Tool 24V 53W for PS900 and PS902 (Hollow Heater)	1-10	\$ 84.00	11-20	\$ 79.80
LST11-1	LONER Soldering Tool 24V 50W for PS900/902/-230/-24, Hollow Heater (No Thread) (Binder)	1-10	\$ 84.00	11-20	\$ 79.80

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ITEM	DESCRIPTION	RETAIL			
LST12	LONER High Performance Soldering Tool 24V 45W for PS900 and PS902	1-10	\$ 98.00	11-20	\$ 93.10
LST12-1	LONER High Performance Soldering Tool 24V 45W for 951DP-230	1-10	\$ 98.00	11-20	\$ 93.10
LST13	LONER High Performance Soldering Tool 24V 53W for ZD905V-13	1-10	\$ 112.00	11-20	\$ 106.40
LST13-1	LONER High Performance Soldering Tool 24V 53W for 951DX-230	1-10	\$ 112.00	11-20	\$ 106.40
LST14-1	LONER High Performance Soldering Tool 24V 53W for MCS100 with Binder Connector	1-10	\$ 138.60	11-20	\$ 131.67
LST14-2	LONER High Performance Soldering Tool 24V 45W for MCS100	1-10	\$ 138.60	11-20	\$ 131.67
LST17-1	LONER ATMOSCOPE Hot Air Hand Tool 24V 53W for 971DH-230	1-5	\$ 138.60	6-10	\$ 131.67
LST18-2	ATMOSCOPE SMT Hot Air Tool 24V 45W for MCS100HA	1-10	\$ 196.00	11-20	\$ 186.20
LT-1	LONER Lead-Free Tip Tinner and Cleaner Dia: 1.22 in. (26.6 mm) Net Weight: .5 oz. (14.2 g)	1-50	\$ 5.50	51-100	\$ 5.23
LT0404	LONER SMD Quadra-Flow Hot Air Tip (Requires PD529) W: .18 in. (4.5 mm) L: .18 in. (4.5 mm)	1+	\$ 122.50		
LT0410	LONER SMD Quadra-Flow Hot Air Tip (Requires PD529) W: .14 in. (3.5 mm) L: .41 in. (10.4 mm)	1+	\$ 122.50		
LT054-1	LONER Angled Conical Soldering Tip W: .02 in. (0.5 mm) L: .31 in. (7.9 mm)	1-50	\$ 7.70	51-100	\$ 7.32
LT055-1	LONER Angled Spade Soldering Tip W: .03 in. (0.8 mm) L: .31 in. (7.9 mm)	1-50	\$ 7.70	51-100	\$ 7.32
LT0606	LONER SMD Quadra-Flow Hot Air Tip W: .24 in. (5.9 mm) L: .24 in. (5.9 mm)	1+	\$ 134.40		
LT0808	LONER SMD Quadra-Flow Hot Air Tip W: .32 in. (8.1 mm) L: .32 in. (8.1 mm)	1+	\$ 124.80		
LT0909	LONER SMD Quadra-Flow Hot Air Tip W: .34 in. (8.6 mm) L: .34 in. (8.6 mm)	1+	\$ 124.80		
LT1416	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .57 in. (14.5 mm) L: .64 in. (16.3 mm)	1+	\$ 124.80		
LT151B	LONER Jumbo Spade Soldering Tip W: .07 in. (1.8 mm) L: .94 in. (24.0 mm)	1-10	\$ 12.90	11-20	\$ 12.26
LT152B	LONER Jumbo Spade Soldering Tip W: .40 in. (10.1 mm) L: .66 in. (16.7 mm)	1-10	\$ 12.90	11-20	\$ 12.26
LT153B	LONER Jumbo Spade Soldering Tip W: .21 in. (5.3 mm) L: .93 in. (23.7 mm)	1-10	\$ 12.90	11-20	\$ 12.26
LT155B	LONER Jumbo Angle Face Soldering Tip W: .35 in. (9.0 mm) L: .83 in. (21.2 mm)	1-10	\$ 12.90	11-20	\$ 12.26
LT1629	LONER SMD Quadra-Flow Hot Air Tip includes RN433 (Requires PD529) W: .63 in. (16.0 mm) L: 1.14 in. (29.0 mm)	1+	\$ 124.80		
LT1824	LONER SMD Quadra-Flow Hot Air Tip includes RN433 (Requires PD529) W: .70 in. (17.8 mm) L: .94 in. (23.9 mm)	1+	\$ 124.80		
LT2228	LONER SMD Quadra-Flow Hot Air Tip includes RN433 (Requires PD529) W: .85 in. (21.6 mm) L: 1.10 in. (27.9 mm)	1+	\$ 124.80		

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ITEM	DESCRIPTION	RETAIL			
LT222A	LONER Heavy Duty Threaded Conical Soldering Tip W: .04 in. (1.0 mm) L: 1.21 in. (30.7 mm)	1-10	\$ 14.90	11-20	\$ 14.16
LT222BC	LONER Heavy Duty Conical Soldering Tip W: .04 in. (1.0 mm) L: 1.21 in. (30.7 mm)	1-10	\$ 12.60	11-20	\$ 11.97
LT223A	LONER Heavy Duty Threaded Spade Soldering Tip W: .06 in. (1.5 mm) L: 1.21 in. (30.7 mm)	1-10	\$ 14.90	11-20	\$ 14.16
LT224A	LONER Heavy Duty Threaded Spade Soldering Tip W: .07 in. (1.8 mm) L: .94 in. (23.9 mm)	1-10	\$ 14.90	11-20	\$ 14.16
LT224BC	LONER Heavy Duty Spade Soldering Tip W: .07 in. (1.8 mm) L: .94 in. (23.9 mm)	1-10	\$ 12.60	11-20	\$ 11.97
LT298	LONER Angle Face Soldering Tip (Only Tinned on Face) W: .12 in. (3.1 mm) L: .59 in. (15.0 mm)	1-50	\$ 5.30	51-100	\$ 5.04
LT299	LONER Angle Face Soldering Tip (Only Tinned on Face) W: .16 in. (4.0 mm) L: .59 in. (15.0 mm)	1-50	\$ 5.30	51-100	\$ 5.04
LT3333	LONER SMD Quadra-Flow Hot Air Tip (Requires PD529) W: 1.31 in. (33.3 mm) L: 1.31 in. (33.3 mm)	1+	\$ 124.80		
LT336A	LONER Heavy Duty Threaded Spade Soldering Tip W: .07 in. (1.8 mm) L: .74 in. (18.8 mm)	1-10	\$ 14.90	11-20	\$ 14.16
LT336BC	LONER Heavy Duty Spade Soldering Tip W: .07 in. (1.8 mm) L: .74 in. (18.8 mm)	1-10	\$ 12.60	11-20	\$ 11.97
LT337A	LONER Heavy Duty Threaded Spade Soldering Tip W: .10 in. (2.5 mm) L: .74 in. (18.8 mm)	1-10	\$ 14.90	11-20	\$ 14.16
LT337BC	LONER Heavy Duty Spade Soldering Tip W: .10 in. (2.5 mm) L: .74 in. (18.8 mm)	1-10	\$ 12.60	11-20	\$ 11.97
LT338A	LONER Heavy Duty Threaded Spade Soldering Tip W: .13 in. (3.3 mm) L: .74 in. (18.9 mm)	1-10	\$ 14.90	11-20	\$ 14.16
LT338BC	LONER Heavy Duty Spade Soldering Tip W: .13 in. (3.3 mm) L: .74 in. (18.9 mm)	1-10	\$ 12.60	11-20	\$ 11.97
LT339A	LONER Heavy Duty Threaded Angle Face Soldering Tip W: .09 in. (2.3 mm) L: .77 in. (19.6 mm)	1-10	\$ 14.90	11-20	\$ 14.16
LT339BC	LONER Heavy Duty Angle Face Soldering Tip W: .09 in. (2.3 mm) L: .77 in. (19.6 mm)	1-10	\$ 12.60	11-20	\$ 11.97
LT340A	LONER Heavy Duty Threaded Angle Face Soldering Tip W: .12 in. (3.0 mm) L: .77 in. (19.6 mm)	1-10	\$ 14.90	11-20	\$ 14.16
LT340BC	LONER Heavy Duty Angle Face Soldering Tip W: .12 in. (3.0 mm) L: .77 in. (19.6 mm)	1-10	\$ 12.60	11-20	\$ 11.97
LT341A	LONER Heavy Duty Threaded Angle Face Soldering Tip W: .16 in. (4.0 mm) L: .77 in. (19.6 mm)	1-10	\$ 14.90	11-20	\$ 14.16
LT341BC	LONER Heavy Duty Angle Face Soldering Tip W: .16 in. (4.0 mm) L: .77 in. (19.6 mm)	1-10	\$ 12.60	11-20	\$ 11.97
LT346BC	SOLDASIP Heavy Duty Mini-Flow Rework Tip L: .69 in. (17.4 mm) W: .12 in. (3.0 mm)	1-10	\$ 16.80	11-50	\$ 15.96
LT371	LONER Spade Soldering Tip W: .03 in. (0.8 mm) L: .05 in. (14.0 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT373	LONER Angle Face Soldering Tip W: .09 in. (2.3 mm) L: .59 in. (15.0 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT374	LONER Conical Soldering Tip W: .03 in. (0.8 mm) L: .48 in. (12.2 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT375	LONER Spade Soldering Tip W: .06 in. (1.5 mm) L: .48 in. (12.2 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT376	LONER Spade Soldering Tip W: .12 in. (3.0 mm) L: .48 in. (12.2 mm)	1-50	\$ 5.50	51-100	\$ 5.23

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LT380	LONER Conical Soldering Tip W: .02 in. (0.5 mm) L: .32 in. (8.1 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT381	LONER Conical Soldering Tip W: .02 in. (0.5 mm) L: .47 in. (11.9 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT382	LONER Conical Soldering Tip W: .02 in. (0.5 mm) L: .62 in. (15.8 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT383	LONER Conical Soldering Tip W: .02 in. (0.5 mm) L: .72 in. (18.3 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT387	LONER Standard Angle Face Soldering Tip W: .06 in. (1.5 mm) L: .48 in. (12.2 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT392	LONER Conical Soldering Tip W: .01 in. (0.3 mm) L: 1.13 in. (28.7 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT392-1	LONER Angled Conical Soldering Tip W: .01 in. (0.3 mm) L: 1.13 in. (28.7 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT393	LONER Angle Face Soldering Tip W: .06 in. (1.5 mm) L: .94 in. (23.9 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT394	LONER Spade Soldering Tip W: .07 in. (1.8 mm) L: .93 in. (23.6 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT394-1	LONER Angled Spade Soldering Tip W: .07 in. (1.8 mm) L: .93 in. (23.6 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT395	LONER Spade Soldering Tip W: .09 in. (2.3 mm) L: .74 in. (18.9 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT396	SOLDASIP Mini-Flow Rework Tip L: .69 in. (17.4 mm) W: .13 in. (3.3 mm)	1-10	\$ 16.80	11-50	\$ 15.96
LT397A	LONER Heavy Duty Threaded Spade Soldering Tip W: .13 in. (3.3 mm) L: .94 in. (23.9 mm)	1-10	\$ 14.90	11-20	\$ 14.16
LT397A-1	LONER Heavy Duty Threaded Angled Soldering Tip W: .13 in. (3.3 mm) L: .94 in. (23.9 mm)	1-10	\$ 14.90	11-20	\$ 14.16
LT397BC	LONER Heavy Duty Spade Soldering Tip W: .13 in. (3.3 mm) L: .94 in. (23.9 mm)	1-10	\$ 11.60	11-20	\$ 11.02
LT397BC-1	LONER Heavy Duty Angled Soldering Tip W: .13 in. (3.3 mm) L: .94 in. (23.9 mm)	1-10	\$ 12.00	11-20	\$ 11.40
LT398	LONER Angle Face Soldering Tip W: .12 in. (3.0 mm) L: .59 in. (15.0 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT399	LONER Angle Face Soldering Tip W: .16 in. (4.0 mm) L: .59 in. (15.0 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT424	LONER Spade Soldering Tip W: .06 in. (1.5 mm) L: .74 in. (18.9 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT425	LONER Spade Soldering Tip W: .05 in. (1.3 mm) L: .93 in. (23.6 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT426	LONER SMD Fan Hot Air Tip Gap: .02 in. (0.5 mm) W: .30 in. (7.6 mm) L: .17 in. (4.3 mm)	1-5	\$ 16.80	6-10	\$ 15.96
LT427	LONER SMD Nozzle Hot Air Tip Hole Dia: .02 in. (0.5 mm) L: .38 in. (9.5 mm)	1-5	\$ 17.20	6-10	\$ 16.34
LT428	LONER SMD Nozzle Hot Air Tip Hole Dia: .06 in. (1.5 mm) L: .25 in. (6.4 mm)	1-5	\$ 12.90	6-10	\$ 12.26
LT429	LONER Conical Soldering Tip W: .02 in. (0.5 mm) L: .74 in. (18.9 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT429-1	LONER Angled Conical Soldering Tip W: .02 in. (0.5 mm) L: .74 in. (18.8 mm)	1-50	\$ 7.40	51-100	\$ 7.03
LT430	LONER Angle Face Soldering Tip W: .06 in. (1.5 mm) L: .74 in. (18.9 mm)	1-50	\$ 5.50	51-100	\$ 5.23

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LT431	LONER Spade Soldering Tip W: .07 in. (1.8 mm) L: .74 in. (18.9 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT432	LONER SMD Nozzle Hot Air Tip Hole Dia: .04 in. (1.0 mm) L: .06 in. (1.5 mm)	1-5	\$ 12.90	6-10	\$ 12.26
LT434	LONER SMD Fan Hot Air Tip Gap: .02 in. (.05 mm) W: .46 in. (11.7 mm) L: .23 in. (5.8 mm)	1-5	\$ 19.30	6-10	\$ 18.34
LT435	LONER SMD Fan Hot Air Tip Gap: .02 in. (.05 mm) W: .59 in. (15.0 mm) L: .35 in. (8.9 mm)	1-5	\$ 19.30	6-10	\$ 18.34
LT436	LONER SMD Fan Hot Air Tip Gap: .02 in. (0.5 mm) W: .65 in. (16.5 mm) L: .43 in. (10.9 mm)	1-5	\$ 21.90	6-10	\$ 20.81
LT437A	LONER Mini-Flat Spade Tip	1-10	\$ 12.20	11-20	\$ 11.59
LT439	LONER Conical Soldering Tip W: .03 in. (0.8 mm) L: .50 in. (12.7 mm)	1-50	\$ 6.30	51-100	\$ 5.99
LT439-1	LONER Angled Conical Soldering Tip W: .03 in. (0.5 mm) L: .50 in. (12.7 mm)	1-50	\$ 6.70	51-100	\$ 6.37
LT441A	LONER Heavy Duty Threaded Spade Soldering Tip W: .21 in. (5.3 mm) L: .94 in. (23.9 mm)	1-10	\$ 17.20	11-20	\$ 16.34
LT441BC	LONER Heavy Duty Spade Soldering Tip W: .21 in. (5.3 mm) L: .94 in. (23.9 mm)	1-10	\$ 13.30	11-20	\$ 12.64
LT442	LONER Conical Soldering Tip W: .04 in. (1.0 mm) L: .73 in. (18.8 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT444	LONER Spade Soldering Tip W: .04 in. (1.0 mm) L: .78 in. (19.8 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT444-1	LONER Angled Spade Soldering Tip W: .04 in. (1.0 mm) L: .78 in. (9.8 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT445	LONER Angle Face Soldering Tip W: .03 in. (0.8 mm) L: .48 in. (12.2 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT446	LONER Conical Soldering Tip W: .03 in. (0.8 mm) L: .48 in. (12.2 mm)	1-50	\$ 5.50	51-100	\$ 5.23
LT447	LONER SMD Quadra-Flow Hot Air Tip (Requires PD529) W: .16 in. (4.0 mm) L: .20 in. (5.1 mm) Pkg: SO-8	1+	\$ 124.80		
LT448	LONER SMD Quadra-Flow Hot Air Tip (Requires PD529) W: .21 in. (5.3 mm) L: .35 in. (8.9 mm) Pkg: SO-14	1+	\$ 124.80		
LT449	LONER SMD Quadra-Flow Hot Air Tip (Requires PD529) W: .26 in. (6.6 mm) L: .41 in. (10.4 mm) Pkg: SO-16	1+	\$ 124.80		
LT450	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .42 in. (10.7 mm) L: .43 in. (10.9 mm)	1+	\$ 124.80		
LT451	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .44 in. (11.2 mm) L: .48 in. (12.2 mm)	1+	\$ 124.80		
LT452	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .38 in. (9.5 mm) L: .52 in. (13.2 mm)	1+	\$ 124.80		
LT454	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .43 in. (10.9 mm) L: .73 in. (18.6 mm)	1+	\$ 124.80		
LT455	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .40 in. (10.2 mm) L: .40 in. (10.2 mm)	1+	\$ 124.80		

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LT456	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .50 in. (12.7 mm) L: .50 in. (12.7 mm)	1+	\$	124.80	
LT456-1	LONER SMD Quadra-Flow Hot Air Tip with Slotted Corners incl. RN432 (Requires PD529) W: .50 in. (12.7 mm) L: .50 in. (12.7 mm)	1+	\$	133.10	
LT457	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .50 in. (12.7 mm) L: .60 in. (15.2 mm)	1+	\$	124.80	
LT458	LONER SMD Quadra-Flow Hot Air Tip includes RN433 (Requires PD529) W: .70 in. (17.8 mm) L: .70 in. (17.8 mm)	1+	\$	124.80	
LT458-1	LONER SMD Quadra-Flow Hot Air Tip with Slotted Corners incl. RN433 (Requires PD529) W: .70 in. (17.8 mm) L: .70 in. (17.8 mm)	1+	\$	133.10	
LT459	LONER SMD Quadra-Flow Hot Air Tip includes RN433 (Requires PD529) W: .80 in. (20.3 mm) L: .80 in. (20.3 mm)	1+	\$	124.80	
LT459-1	LONER SMD Quadra-Flow Hot Air Tip with Slotted Corners incl. RN433 (Requires PD529) W: .80 in. (20.3 mm) L: .80 in. (20.3 mm)	1+	\$	133.10	
LT460	LONER SMD Quadra-Flow Hot Air Tip includes RN433 (Requires PD529) W: 1.0 in. (25.4 mm) L: 1.0 in. (25.4 mm)	1+	\$	124.80	
LT460-1	LONER SMD Quadra-Flow Hot Air Tip with Slotted Corners incl. RN433 (Requires PD529) W: 1.0 in. (25.4 mm) L: 1.0 in. (25.4 mm)	1+	\$	133.10	
LT462	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .34 in. (8.6 mm) L: .55 in. (10.4 mm)	1+	\$	124.80	
LT463	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .60 in. (15.2 mm) L: .60 in. (15.2 mm)	1+	\$	124.80	
LT468	LONER SMD Quadra-Flow Hot Air Tip includes RN433 (Requires PD529) W: .66 in. (16.8 mm) L: .90 in. (22.9 mm)	1+	\$	124.80	
LT469	LONER SMD Quadra-Flow Hot Air Tip W: .28 in. (7.1 mm) L: .28 in. (7.1 mm)	1+	\$	124.80	
LT470	LONER SMD Quadra-Flow Hot Air Tip (Requires PD529) W: .36 in. (9.1 mm) L: .36 in. (9.1 mm) Pkg: LCCC-20	1+	\$	124.80	
LT472	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .49 in. (12.4 mm) L: .49 in. (12.4 mm)	1+	\$	124.80	
LT477	LONER SMD Quadra-Flow Hot Air Tip includes RN433 (Requires PD529) W: .75 in. (19 mm) L: 1.0 in. (25.4 mm)	1+	\$	124.80	
LT478	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .32 in. (8.1 mm) L: .45 in. (11.4 mm)	1+	\$	124.80	
LT480	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .31 in. (7.9 mm) L: .52 in. (13.2 mm)	1+	\$	124.80	

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LT481	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .38 in. (9.5 mm) L: .58 in. (14.7 mm)	1+	\$ 124.80		
LT482	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .47 in. (11.9 mm) L: .58 in. (14.7 mm)	1+	\$ 124.80		
LT482-1	LONER SMD Quadra-Flow Hot Air Tip with Slotted Corners incl. RN432 (Requires PD529) W: .47 in. (11.9 mm) L: .58 in. (14.7 mm)	1+	\$ 133.10		
LT483	LONER SMD Quadra-Flow Hot Air Tip (Requires PD529) W: .25 in. (6.4 mm) L: .43 in. (10.9 mm) Pkg: Ceramic DIP-16	1+	\$ 124.80		
LT484	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .40 in. (10.2 mm) L: .79 in. (20.1 mm)	1+	\$ 124.80		
LT485	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .52 in. (13.2 mm) L: .64 in. (16.3 mm)	1+	\$ 124.80		
LT486	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .40 in. (10.2 mm) L: .60 in. (15.2 mm)	1+	\$ 124.80		
LT488	LONER SMD Quadra-Flow Hot Air Tip includes RN433 (Requires PD529) W: 1.17 in. (29.7 mm) L: 1.17 in. (29.7 mm)	1+	\$ 124.80		
LT489	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .25 in. (6.4 mm) L: .78 in. (19.8 mm)	1+	\$ 124.80		
LT491	LONER SMD Quadra-Flow Hot Air Tip includes RN433 (Requires PD529) W: .71 in. (18.0 mm) L: .94 in. (23.0 mm)	1+	\$ 124.80		
LT492	LONER SMD Quadra-Flow Hot Air Tip includes RN433 (Requires PD529) W: .85 in. (21.6 mm) L: .85 in. (21.6 mm)	1+	\$ 124.80		
LT492-1	LONER SMD Quadra-Flow Hot Air Tip with Slotted Corners incl. RN433 (Requires PD529) W: .85 in. (21.6 mm) L: .85 in. (21.6 mm)	1+	\$ 133.10		
LT493	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .48 in. (12.2 mm) L: .85 in. (21.6 mm)	1+	\$ 124.80		
LT494	LONER SMD Quadra-Flow Hot Air Tip includes RN432 (Requires PD529) W: .45 in. (11.4 mm) L: 1.05 in. (26.7 mm)	1+	\$ 124.80		
LT509	LONER SMD Hot Air Curl Micro Tip Hole Dia: .01 in. (0.3 mm) L: 1.0 in. (25.4 mm)	1-5	\$ 25.80	6-10	\$ 24.51
LT510	LONER SMD Curl/Bent Hot Air Tip Hole Dia: .02 in. (0.5 mm) L: .65 in. (16.5 mm)	1-5	\$ 25.80	6-10	\$ 24.51
LT511	LONER SMD Curl/Bent Hot Air Tip Hole Dia: .06 in. (1.5 mm) L: .65 in. (16.5 mm)	1-5	\$ 25.80	6-10	\$ 24.51
LT512	LONER SMD Curl/Bent Hot Air Tip Hole Dia: .07 in. (1.8 mm) L: .90 in. (22.9 mm)	1-5	\$ 25.80	6-10	\$ 24.51
LT513	LONER SMD Curl/Bent Hot Air Tip Hole Dia: .10 in. (2.5 mm) L: .90 in. (22.9 mm)	1-5	\$ 25.80	6-10	\$ 24.51

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LT513-S	LONER SMD Curl/Bent Swivel Hot Air Tip Hole Dia: .10 in. (2.5 mm) L: .90 in. (22.9 mm)	1-5	\$ 29.00	6-10	\$ 27.55
LT514	LONER SMD Nozzle Hot Air Tip Hole Dia: .10 in. (2.5 mm) L: .25 in. (6.4 mm)	1-5	\$ 30.90	6-10	\$ 29.36
LT526	LONER SMD Dual Flow Hot Air Tip Hole Dia: .03 in. (0.8 mm) W: .12 in. (3.0 mm) L: .30 in. (7.6 mm)	1-5	\$ 23.80	6-10	\$ 22.61
LT534	LONER SMD Dual Flow Hot Air Tip Hole Dia: .05 in. (1.3 mm) W: .20 in. (5.1 mm) L: .46 in. (11.7 mm)	1-5	\$ 23.80	6-10	\$ 22.61
LT535	LONER SMD Dual Flow Hot Air Tip Hole Dia: .05 in. (1.3 mm) W: .28 in. (7.1 mm) L: .59 in. (15.0 mm)	1-5	\$ 29.00	6-10	\$ 27.55
LT536	LONER SMD Dual Flow Hot Air Tip Hole Dia: .05 in. (1.3 mm) W: .35 in. (8.9 mm) L: .65 in. (16.5 mm)	1-5	\$ 22.50	6-10	\$ 21.38
LT537	LONER SMD Dual Flow Hot Air Tip Hole Dia: .05 in. (1.3 mm) W: .44 in. (11.2 mm) L: .80 in. (20.4 mm)	1-5	\$ 29.00	6-10	\$ 27.55
LT570A	LONER Heavy Duty SMD Threaded Knife Tip W: .17 in. (4.3 mm) L: .68 in. (17.3 mm)	1-10	\$ 16.10	11-20	\$ 15.30
LT570BC	LONER Heavy Duty SMD Knife Solder Tip W: .17 in. (4.3 mm) L: .68 in. (17.3 mm)	1-10	\$ 16.10	11-20	\$ 15.30
LT571	LONER SMD Bendable Hot Air Tip includes Tip Wrench Hole Dia: .04 in. (1.0 mm) L: 1.10 in. (27.9 mm)	1-5	\$ 25.80	6-10	\$ 24.51
LT572	LONER SMD Bendable Hot Air Tip includes WT624 Tip Wrench Hole Dia: .04 in. (1.0 mm) W: Adjusts up to 1.25 in. (31.8 mm) apart	1-5	\$ 45.10	6-10	\$ 42.85
LT602-1	LONER Angled Conical Soldering Tip W: .02 in. (0.5 mm) L: .44 in. (11.2 mm)	1-50	\$ 5.90	51-100	\$ 5.61
LT603	LONER Conical Soldering Tip W: .02 in. (0.5 mm) L: .69 in. (17.5 mm)	1-50	\$ 5.90	51-100	\$ 5.61
LT771	LONER Nickel-Plated Angled Cup Soldering Tip W: .06 in. (1.5 mm) L: .74 in. (18.8 mm)	1-50	\$ 9.70	51-100	\$ 9.22
LT800	LONER SMD Soldering Tip W: .2 in. (5.1 mm) L: .21 in. (5.3 mm)	1-10	\$ 9.70	11-20	\$ 9.22
LTA02	LONER Hot Air Tip Adapter for use with CROWN or Universal Tips	1-5	\$ 0.80	6-10	\$ 0.76
LTA03	LONER 90 Degree Hot Air Tip Adapter for 971HA to Preheat Printed Circuit Boards	1-5	\$ 61.20	6-10	\$ 58.14
LTA75H	LONER Heat Insert Accumulator for the 971HA	1-5	\$ 6.20	6-10	\$ 5.89
LTC71	LONER Tip Collet for 971 and 971HA	1-50	\$ 15.40	51-100	\$ 14.63
LTH10	LONER Nickel-Plated Hammer Head Soldering Tip W: .38 in. (10.0 mm) L: 1.46 in. (37.0 mm)	1-10	\$ 59.40	11-20	\$ 56.43
LTH16	LONER Nickel-Plated Hammer Head Soldering Tip W: .63 in. (16.0 mm) L: 1.73 in. (44.0 mm)	1-10	\$ 59.40	11-20	\$ 56.43
LU25	LONER Universal SMD Hot Air Tip Hole Dia: .03 in. (0.8 mm) L: .25 in. (6.4 mm)	1-5	\$ 12.30	6-10	\$ 11.69
LU26	LONER Universal SMD Hot Air Tip Hole Dia: .04 in. (1.0 mm) L: .25 in. (6.4 mm)	1-5	\$ 12.30	6-10	\$ 11.69
LU27	LONER Universal SMD Hot Air Tip Hole Dia: .07 in. (1.8 mm) L: .25 in. (6.4 mm)	1-5	\$ 12.30	6-10	\$ 11.69
LU28	LONER Universal SMD Hot Air Tip Hole Dia: 0.9 in. (2.3 mm) L: .25 in. (6.4 mm)	1-5	\$ 12.30	6-10	\$ 11.69
LU29	LONER Universal SMD Hot Air Tip Hole Dia: .06 in. (1.4 mm) L: .29 in. (7.5 mm)	1-5	\$ 12.30	6-10	\$ 11.69

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LU30	LONER Universal SMD Hot Air Tip Hole Dia: .06 in. (1.4 mm) L: .70 in. (17.8 mm)	1-5	\$ 36.10	6-10	\$ 34.30
LU374	LONER Universal Soldering Tip W: .03 in. (0.8 mm) L: .48 in. (12.2 mm)	1-50	\$ 5.80	51-100	\$ 5.51
LU375	LONER Universal Soldering Tip W: .06 in. (1.5 mm) L: .48 in. (12.2 mm)	1-50	\$ 5.80	51-100	\$ 5.51
LU376	LONER Universal Soldering Tip W: .12 in. (3.0 mm) L: .48 in. (12.2 mm)	1-50	\$ 5.80	51-100	\$ 5.51
LU424	LONER Universal Soldering Tip W: .06 in. (1.5 mm) L: .74 in. (18.8 mm)	1-50	\$ 9.90	51-100	\$ 9.41
LU429	LONER Universal Soldering Tip W: .02 in. (0.5 mm) L: .74 in. (18.8 mm)	1-50	\$ 6.30	51-100	\$ 5.99
LU444	LONER Universal Soldering Tip W: .04 in. (1.0 mm) L: .78 in. (19.8 mm)	1-50	\$ 6.70	51-100	\$ 6.37
LU571	LONER Universal SMD Bendable Hot Air Tip with Tip Wrench Hole Dia: .04 in. (1.0 mm) L: 1.10 in. (27.9 mm)	1-5	\$ 27.80	6-10	\$ 26.41
LU572	LONER Universal SMD Bendable Hot Air Tip with Tip Wrench Hole Dia: .04 in. (1.0 mm) W: Adjusts up to 1.25 in. (31.8 mm) apart	1-5	\$ 36.70	6-10	\$ 34.87
LUA02	LONER High Performance Adapter for Universal Tips	1-50	\$ 9.80	51-100	\$ 9.31
LUA21	LONER Universal Adapter for use with SMD Quadra-Flow Hot Air Tips	1-5	\$ 24.00	6-10	\$ 22.80
LUA35H	LONER Universal Heat Insert Accumulator	1-5	\$ 6.00	6-10	\$ 5.70
LUA73	LONER Universal Adapter for use with SMD Hot Air Tips on 1036DX, 1051 and 1052 Stations	1-5	\$ 3.20	6-10	\$ 3.04
MCS100	LONER Computer Controlled High Performance Soldering System	1-5	\$ 956.80	6-10	\$ 908.96
MCS100-S	LONER Computer Controlled High Performance Soldering System with SDS100 Temperature Sensor Docking System	1-5	\$ 1,151.20	6-10	\$ 1,093.64
MCS100HA	LONER ATMOSCOPE Computer Controlled Hot Air System	1-5	\$ 1,594.90	6-10	\$ 1,515.16
MRT16	Micro Replacement Tip for PT209 and US240 ID: .084 in. (2.4 mm) L: .536 in. (13.6 mm)	1-10	\$ 7.10	11-50	\$ 6.75
MS229	Mica Sheet for HT500 (Set of 12)	1-5	\$ 9.20	6-10	\$ 8.74
MS410	Digital Temperature Measurement System displays in Celsius or Fahrenheit includes FX633 Tool Fixture	1-5	\$ 440.70	6-10	\$ 418.67
MS412	Digital Temperature Measurement System displays in Celsius or Fahrenheit includes FX635 Tool Fixture	1-5	\$ 381.00	6-10	\$ 361.95
MT145A	LONER Heavy Duty Threaded Spade Soldering Tip W: .08 in. (2.0 mm) L: .62 in. (15.7 mm)	1-10	\$ 13.40	11-20	\$ 12.73
MT145BC	LONER Heavy Duty Spade Soldering Tip W: .08 in. (2.0 mm) L: .62 in. (15.7 mm)	1-10	\$ 13.40	11-20	\$ 12.73
NS500	ATMOSCOPE Nitrogen Supply System Requires Shop Air (72-102 psi)	1+	\$ 4,421.02		
OA193	AUTO-VAC O-Ring and Bushing Assembly for DS117 and DS217 (Set of 5)	1+	\$ 8.50		
OB207	O-Ring for Old-Style LS751 and SRT751 ID: .145 in. (3.68 mm) W: .070 in. (1.78 mm)	1+	\$ 0.80		
ODS31	Standard O-Ring ID: .674 in. (17.12 mm) W: .103 in. (2.62 mm)	1+	\$ 0.80		
OL111	O-Ring Lube Net Weight: .18 oz. (5 g)	1-10	\$ 4.40	11-20	\$ 4.18

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OPT823	Fume Extraction Conversion Kit for 971 Soldering Station	1+	\$ 533.50		
OPT825	SMT Hot Air Conversion Kit for 971 Soldering Station	1+	\$ 510.70		
OS130	O-Ring for SS350, SS750 and SS750LS ID: .516 in. (13.11 mm) W: .103 in. (2.62 mm)	1-10	\$ 1.00	11-20	\$ 0.95
OS132	O-Ring for FC639 and FC640 ID: .208 in. (5.3 mm) W: .070 in. (1.8 mm)	1-10	\$ 1.80	11-20	\$ 1.71
OS133	Silicone Washer for HT500	1-10	\$ 1.30	11-20	\$ 1.24
OS137	O-Ring for Universal Adapter Heads (All Sizes)	1+	\$ 0.50		
OS139	O-Ring Set for FA069 (Set of 2) ID: .24 in. (6.1 mm) W: .07 in. (1.8 mm)	1-10	\$ 2.90	11-20	\$ 2.76
OS145	O-Ring for Grip on SR805 Cap I.D.: 1.475 in. (37.46 mm) W: .210 in. (5.33 mm)	1+	\$ 1.40		
OS147	O-Ring for Seal on SR805 Cap I.D.: 1.364 in. (34.64 mm) W: .07 in. (1.78 mm)	1+	\$ 1.30		
OS730	O-Ring Set for Valve Assembly (Set of 3)	1-10	\$ 4.40	11-20	\$ 4.18
OS731	Silicone O-Ring for HT500 Heater Bushing and FC639 Filter Cap ID: .54 in., (13.7 mm) W: .11 in., (2.7 mm)	1-10	\$ 2.00	11-20	\$ 1.90
OSB32	O-Ring for SOLDAPULLT III Models ID: .62 in. (15.6 mm) W: .10 in. (2.6 mm)	1-10	\$ 0.80	11-20	\$ 0.76
OV367	ATMOSCOPE O-Ring Set for VP267 (Set of 4) ID: 2.1, .49, .24, .24 in. W: .21, .08, .07, .07 in.	1-10	\$ 7.70	11-20	\$ 7.32
PA233	Dovetail Extension Assembly for Converting to a Triple Station (Set of 2)	1+	\$ 7.00		
PA233-1	Single Dovetail Extension Assembly for Additional Tool Holder	1+	\$ 3.50		
PAS53	Tool Pod Air Switch (Requires 20-80 psi)	1-5	\$ 153.90	6-10	\$ 146.21
PD525	Tool Pod for Hot Air Stations using FA069	1+	\$ 34.70		
PD528	Tool Pod for all Soldering Stations without Locking Latch (includes SC581)	1+	\$ 12.50		
PD529	Tool Holder with Heat Shield for Quadra-Flow, Curl and CROWN Tips	1+	\$ 31.00		
PD529A	Tool Holder without Heat Shield for Quadra-Flow, Curl and CROWN Tips	1+	\$ 8.60		
PD532	Tool Holder for LP200, LP200S LP250 and LP251 Valve Body Dia: 1/2 in.	1+	\$ 15.10		
PD533	Tool Pod for 1051, 1052 and 1036DX	1+	\$ 39.20		
PD534	Tool Holder for LP250, LP251 and LP252 Valve Body Dia: 5/8 in.	1+	\$ 35.30		
PH177	Power Head for DS117 with DT113 Tip	1+	\$ 52.40		
PH178	Power Head Holder for DS117	1+	\$ 19.00		
PH184	Power Head Holder for DS317	1+	\$ 27.90		
PH201	Power Head for DS417 with LS215 Tip	1+	\$ 55.70		
PH246	Power Head for DS317 with LS197 Tip	1+	\$ 52.10		
PH247	Power Head Holder for DS517	1+	\$ 27.30		
PH358	Power Head for DS517 with LS561 Tip	1+	\$ 68.60		
PL237	Triple Grounding Tap for 925 and 935 LONER Soldering Stations (125V 15A)	1+	\$ 7.70		
PL239	Triple Grounding Cube Tap for 951, 900 and 1032 LONER Stations (125V 15A)	1+	\$ 8.70		
PM100	ATMOSCOPE Vacuum Generator for HT500 and ZD100 Requires Shop Air (60-90 psi)	1-5	\$ 159.00	6-10	\$ 151.05

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ITEM	DESCRIPTION	RETAIL			
PM200	ATMOSCOPE Pressure Regulator with PD525 Requires Shop Air (60-90 psi)	1-5	\$ 153.80	6-10	\$ 146.11
PM200-1	ATMOSCOPE Pressure Regulator Requires Shop Air (60-90 psi)	1-5	\$ 153.80	6-10	\$ 146.11
PR530	Pressure Regulator for Hot Air Stations using PM100 (Maximum 150 psi)	1+	\$ 36.40		
PR570	Flow Regulator and Meter (Maximum 80 psi)	1+	\$ 155.80		
PS501	Power Supply and Pump for ZD500DX (24V Controlled Output)	1+	\$ 525.00		
PS536	Power Supply for 925, 935, 945, 955 and 965 Soldering Stations (70W Maximum)	1-10	\$ 42.80	11-20	\$ 40.66
PS537	Power Supply for 1032 Hot Air Station includes Air Pressure Gauge (120V 70W)	1-10	\$ 348.20	11-20	\$ 330.79
PS542	Self-Contained Power Supply for 1036 Hot Air Station (120V 150W)	1-10	\$ 502.50	11-20	\$ 477.38
PS902-1	Dual Independent Temperature Controlled Power Supply for ZD905, ZD905V and ZD906 (24V Controlled Output)	1-10	\$ 270.40	11-20	\$ 256.88
PSS2000	Portable Battery Operated Temperature Controlled Soldering System	1+	\$ 852.15		
PT109	SOLDAPULLT III with SRT12 Tip and OSB32 O-Ring L: 12.0 in. (304.0 mm)	1-50	\$ 14.60	51-100	\$ 13.87
PT209	Micro-Tipped SOLDAPULLT III with MRT16 Tip and OSB32 O-Ring L: 12.0 in. (304.0 mm)	1-50	\$ 20.60	51-100	\$ 19.57
PT309	Long-Tipped SOLDAPULLT III with LRT14 Tip and OSB32 O-Ring L: 12.0 in. (203 mm)	1-50	\$ 22.70	51-100	\$ 21.57
PT409	Static-Safe SOLDAPULLT III with LS197 Tip and OSB32 O-Ring L: 12 in. (304 mm)	1-50	\$ 20.00	51-100	\$ 19.00
PT509	Static-Safe Micro Tipped SOLDAPULLT III with LS315 Tip and OSB32 O-Ring L: 12 in. (305 mm)	1-50	\$ 26.50	51-100	\$ 25.18
QC021	Quick Change Triplet Holder and Remover with 1-SRT035	1-10	\$ 1.90	11-50	\$ 1.81
QC025	Quick Change Triplet Holder and Remover with 3-SRT035	1-10	\$ 5.90	11-50	\$ 5.61
RB386	Retaining Bushing for General and High Performance Soldering Tips	1+	\$ 4.00		
RB387	Retaining Bushing for 981 Soldering Tool	1+	\$ 7.79		
RB641	SMD Shim Blade Replacement with Static-Safe Spool for ST706	1-5	\$ 5.50	6-10	\$ 5.23
RC306	Retaining Collet for Dual Reversible and Fork Soldering Tips	1+	\$ 4.60		
RC334	Threaded Retaining Collar for LONER Soldering Tools	1-10	\$ 2.30	11-20	\$ 2.19
RC349	Threaded Foam Insulated Retaining Collar for Soldering Tools	1-10	\$ 3.40	11-20	\$ 3.23
RCS71	Retaining Sleeve and Collar for 971 Soldering Station	1-10	\$ 11.00	11-20	\$ 10.45
RCS73	Retaining Sleeve and Collar for 971FX Fume Extraction Soldering Station	1-5	\$ 36.80	6-10	\$ 34.96
RCS75	Retaining Sleeve and Collar for 971HA Hot Air Station	1-5	\$ 55.50	6-10	\$ 52.73
RCS76	Retaining Sleeve Nitrogen Contact Soldering	1-5	\$ 51.98	6-10	\$ 49.38
RN432	Retaining Nut for Small Quadra-Flow Tips	1+	\$ 11.60		
RN433	Retaining Nut for Large Quadra-Flow Tips	1+	\$ 13.10		

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RS092	Replacement Sponge for IR089 IDLE-REST	1-10	\$ 4.30	11-20	\$ 4.09
RS190	Sponge Set for DS299 (5 per pkg.) Dia: 1.0 in. (25.4 mm)	1-10	\$ 3.60	11-20	\$ 3.42
RS192	Sponge for Soldering Tip Cleaning Bar (Set of 6)	1-10	\$ 7.50	11-20	\$ 7.13
RS199	Replacement Sponge for SH230 Sponge Holder	1-10	\$ 1.12	11-20	\$ 1.06
RS243	Black Foam Leveling Pad for SH230 Sponge Holder	1+	\$ 1.70		
RS271	Retaining Sleeve for Heavy Duty Soldering Tips	1-10	\$ 10.50	11-20	\$ 9.98
RS321	Retaining Sleeve for FA069 Hot Air Tool	1-10	\$ 31.70	11-20	\$ 30.12
RS351	Retaining Sleeve for Jumbo Soldering Tips	1-10	\$ 21.30	11-20	\$ 20.24
RS372	Retaining Sleeve and Bushing Assembly for Soldering Tools with Hollow Heater (Consists of RS382 and RB386)	1-10	\$ 10.10	11-20	\$ 9.60
RS374	Retaining Sleeve and Bushing for 981 Soldering Tool (Consists of RB387 and RS384)	1+	\$ 15.71		
RS382	Retaining Sleeve for Soldering Tools with Hollow Heater Note: To get both RB386 and RS382 order RS372	1-10	\$ 8.80	11-20	\$ 8.36
RS383	Retaining Sleeve for HT500	1-10	\$ 15.80	11-20	\$ 15.01
RS384	Retaining Sleeve for 981 Soldering Tool	1+	\$ 8.90		
RSX72	Retaining Sleeve for TSX70 Solder Handling Tool	1-10	\$ 58.30	11-20	\$ 55.39
SC100	Smoke Collector Adapter Kit with SR153, RS382 and RB386-1	1+	\$ 21.20		
SC525	Solder Cone to be used with AF625, FC639 and FC640	1+	\$ 10.20		
SC581	Solder Debris Collector for Soldering Tool Pods AS OF MAY 1999 WE WILL KEEP TRACK OF THIS PART AS5-061-000	1-10	\$ 3.90	11-20	\$ 3.71
SD300	Solder Spool Holder with Dovetail Slide Mount	1-10	\$ 15.80	11-20	\$ 15.01
SD302	Solder Spool Holder with SR553 Dovetail Slide Mount and TH100 Tip Holder	1-10	\$ 50.70	11-20	\$ 48.17
SDS100	Temperature Sensor Docking System with TP791 Probe and TP795 Sensor	1+	\$ 235.20		
SDS100-1	Temperature Sensor Docking System without TP791 and TP795	1+	\$ 75.60		
SH230	General Purpose Sponge Holder with LN230 Liner, RS199 Sponge and RS243 Pad	1-10	\$ 10.10	11-20	\$ 9.60
SH231	Tray with Rubber Feet for VA253	1+	\$ 10.40		
SH232	Low Profile Sponge Holder Tray with RS199	1+	\$ 4.60		
SH234	LONER Soldering Tip Cleaning Assembly includes SH230, STC84 and SR740	1-10	\$ 40.70	11-20	\$ 38.67
SL287LS	Static-Safe Empty Solder Spool Holder with Self-Adhesive Bottom	1-10	\$ 12.60	11-50	\$ 11.97
SP093	OCTAVAC 3/32 in. Static-Safe Silicone Suction Cup for LN250 Lifting Needle	1-5	\$ 1.40	6-10	\$ 1.33
SP125	OCTAVAC 1/8 in. Static-Safe Silicone Suction Cup for LN250 Lifting Needle	1-5	\$ 1.58	6-10	\$ 1.50
SP250	OCTAVAC 1/4 in. Static-Safe Silicone Suction Cup fits all Lifting Needles except LN250	1-5	\$ 1.58	6-10	\$ 1.50
SP375	OCTAVAC 3/8 in. Static-Safe Silicone Suction Cup fits all Lifting Needles except LN250	1-5	\$ 1.58	6-10	\$ 1.50
SP500	OCTAVAC 1/2 in. Static-Safe Silicone Suction Cup fits all Lifting Needles except LN250	1-5	\$ 1.58	6-10	\$ 1.50

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ITEM	DESCRIPTION	RETAIL			
SP625	OCTAVAC 5/8 in. Static-Safe Silicone Suction Cup fits all Lifting Needles except LN250	1-5	\$ 3.15	6-10	\$ 2.99
SP750	OCTAVAC 3/4 in. Static-Safe Silicone Suction Cup fits all Lifting Needles except LN250	1-5	\$ 3.50	6-10	\$ 3.33
SPA25	OCTAVAC Air Suction Pick-Up Disk with 1/4 in. Hex Brass Lifter and 3/8 in. Static-Safe Silicone Disk	1-5	\$ 14.80	6-10	\$ 14.06
SPA25-1	Replacement 3/8 in. Static- Safe Silicone Disk for SPA25 and SPB25 (Set of 5)	1-5	\$ 17.10	6-10	\$ 16.25
SPB25	OCTAVAC Air Suction Pick-Up Disk with 1/4 in. Hex Brass Cup and 3/8 in. Static-Safe Silicone Disk	1-5	\$ 17.60	6-10	\$ 16.72
SPF62	OCTAVAC 5/8 in. Static-Safe Silicone Suction Cup with Lifting Cup Support	1-10	\$ 6.34	11-20	\$ 6.02
SPF75	OCTAVAC 3/4 in. Static-Safe Silicone Suction Cup with Lifting Cup Support	1-10	\$ 6.34	11-20	\$ 6.02
SPJ19	OCTAVAC Static-Safe Silicone Suction Cup for LP252 OD: 3/16 in. (4.8 mm) L: .82 in (20.8 mm)	1+	\$ 4.60		
SPL80	OCTAVAC 3/4 in. Component Air Pressure Lifter	1-5	\$ 75.90	6-10	\$ 72.11
SPQ22	OCTAVAC Quick Change Suction Pick-Up Disk O.D.: .88 in. (22.2 mm)	1-5	\$ 68.90	6-10	\$ 65.46
SPQ25	OCTAVAC Quick Change Suction Pick-Up Disk O.D.: 1 in. (25.4 mm)	1-5	\$ 81.42	6-10	\$ 77.35
SPQ32	OCTAVAC Quick Change Suction Pick-Up Disk O.D.: 1.25 in. (31.8 mm)	1-5	\$ 68.58	6-10	\$ 65.15
SPQ41	Quick Change Pick-Up Disk O.D.: 1.625 in. (41.3 mm)	1-5	\$ 100.10	6-10	\$ 95.10
SPQ42	OCTAVAC Quick Change Suction Pick-Up Disk O.D.: 1.62 in. (41.3 mm)	1-5	\$ 89.22	6-10	\$ 84.76
SPQ64	OCTAVAC Quick Change Suction Pick-Up Disk O.D.: 2.5 in. (63.5 mm)	1-5	\$ 88.24	6-10	\$ 83.83
SPS12	Stealth Static-Safe High Temperature Suction Cup 1/8 in. Diameter	1-5	\$ 2.70	6-10	\$ 2.57
SPS25	Stealth Static-Safe High Temperature Suction Cup for LN272S 1/4 in. Diameter	1-5	\$ 6.90	6-10	\$ 6.56
SRT035	Standard Replacement Tippet for DS017QC ID: .125 in. (3.2 mm) L: .850 in. (21.6 mm)	1-50	\$ 1.70	51-100	\$ 1.62
SRT12	Standard Replacement Tip for DS017, PT109 and US140 ID: .125 in. (3.2 mm) L: .536 in. (13.6 mm)	1-50	\$ 2.50	51-100	\$ 2.38
SRT751	Standard Replacement Tippet for SS750 ID: .100 in. (2.5 mm) L: .875 in. (22.2 mm)	1-50	\$ 1.40	51-100	\$ 1.33
SRT753	Replacement Tippet for AF514	1-50	\$ 1.30	51-100	\$ 1.24
SS011	Static-Safe SOLDAPULLT Successor	1-50	\$ 16.80	51-100	\$ 15.96
SS343	Static-Safe Pico SOLDAPULLT Challenger with LS915 Tip and OS130	1-50	\$ 13.44	51-100	\$ 12.77
SS350	Static-Safe Standard Metric SOLDAPULLT Challenger with LS363 Tip and OS130	1-50	\$ 9.40	51-100	\$ 8.93
SS750LS	Static-Safe Standard Metric SOLDAPULLT Challenger with LS751 Tip and OS130 O-Ring	1-50	\$ 7.00	51-100	\$ 6.65
ST706	SMD Tool to Lift Off SMD while using Hot Air Tools .002 Shim, .238 Width	1-5	\$ 4.10	6-10	\$ 3.90
ST707	Soldering Tool Maintenance and Cleaning Brush	1+	\$ 26.20		
ST707-1	Replacement Stainless Steel Brush for ST707	1+	\$ 8.30		
ST800	SMD Helper to Remove SMD while using Soldering or Hot Air Tools	1-50	\$ 16.10	51-100	\$ 15.30

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STC84	LONER Tip Cleaning Shaft for SH234 Soldering Tip Cleaning Assembly	1-10	\$ 26.20	11-20	\$ 24.89
SW091	Desoldering Wick for IP329, IP289, TW108 and TW208 (5 Ft., Size No. 3)	1-10	\$ 4.00	11-20	\$ 3.80
TA350	Threaded Adapter for RS351 Retaining Sleeve	1+	\$ 3.40		
TC271	K-Type Thermocouple and Subminiature Connector Assembly with _____ Heavy Duty Soldering Tip and RS271 Retaining Sleeve	1+	\$ 47.90		
TC273	K-Type Thermocouple and Subminiature Connector Assembly with _____ Standard Soldering Tip and HC273 Retaining Sleeve	1+	\$ 25.70		
TC372	K-Type Thermocouple and Subminiature Connector Assembly with _____ Standard Soldering Tip and RS372 Retaining Sleeve	1+	\$ 42.70		
TC383	K-Type Thermocouple and Subminiature Connector Assembly with _____ Desoldering Tip and RS383 Retaining Sleeve	1+	\$ 62.70		
TCS71	K-Type Thermocouple and Subminiature Connector Assembly with _____ Soldering Tip for 971 High Performance Heater	1+	\$ 25.00		
TCS82	K-Type Thermocouple and Subminiature Connector Assembly with _____ High Performance Soldering Tip and HPS82 Retaining Sleeve	1+	\$ 39.20		
TGS81	LONER Tip Ground Spring for 981	1-50	\$ 2.70	51-100	\$ 2.57
TH100	Tip Holder Organizer holds 3-Heavy Duty and 4-Standard Tips	1-10	\$ 31.90	11-20	\$ 30.31
TH101	Tip Holder and Dovetail Slide Mount Assembly with TH100	1-10	\$ 37.00	11-20	\$ 35.15
TH103	Accessories Holder for FUMINATOR with SR551, SR771, SR791, SR792 and SR793	1-10	\$ 21.70	11-20	\$ 20.62
TI680	TI680 Temperature Meter	1-5	\$ 125.00	6-10	\$ 118.75
TP474	Temperature Sensor Body	1+	\$ 84.00		
TP791	Small Area Surface Temperature Probe	1+	\$ 73.50		
TP792	Submersible Temperature Probe Dia: .125 in. L: 5.9 in.	1+	\$ 81.90		
TP794	Large Area Surface Temperature Probe Dia: .59 in. (15.0 mm) L: 3.4 in. (86.0 mm)	1+	\$ 139.20		
TP795	Temperature Sensor Assembly (Consists of TP474 and 2-WL675)	1+	\$ 101.40		
TPL09	Hot Air Ceramic Temperature Sensor Locater Kit for TP795 with TPL09-1, LT428 and LU29	1+	\$ 45.80		
TPL09-1	Hot Air Ceramic Temperature Sensor Locater to be used with TP795 (3/32 in. I.D. 3/16 in. O.D.) L: .62 in. (15.75 mm)	1+	\$ 42.30		
TSX70	SOLDAVAC SMT Reflow Vacuum Workstation	1-5	\$ 1,811.67	6-10	\$ 1,721.09
TSX70-1	SOLDAVAC SMT Solder Handling Tool for TSX70	1+	\$ 586.95		
TSX70-2	SOLDAVAC SMD Reflow Vacuum Power Supply for TSX70	1+	\$ 1,869.84		
TSX70-230	SOLDAVAC SMD Reflow Vacuum Workstation 230V European Style	1+	\$ 2,804.97		
TSX713	SOLDAVAC Reflow Vacuum Tip Hole Dia: .05 in. (1.3 mm) L: .55 in. (14.0 mm)	1-10	\$ 37.10	11-20	\$ 35.25

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ITEM	DESCRIPTION	RETAIL			
TSX715	SOLDAVAC Reflow Focus Nozzle for use with TSX716 Hole Dia: .09 in. (2.3 mm) L: .43 in. (10.9 mm)	1-10	\$ 13.40	11-20	\$ 12.73
TSX716	SOLDAVAC Reflow Vacuum Tip Hole Dia: .03 in. (0.8 mm) L: .80 in. (20.3 mm)	1-10	\$ 56.90	11-20	\$ 54.06
TSX717	SOLDAVAC Reflow Vacuum Tip Hole Dia: .01 in. (.28 mm) L: .63 in. (16.1 mm)	1-10	\$ 59.30	11-20	\$ 56.34
TSX718	SOLDAVAC Reflow Vacuum Tip Hole Dia: .03 in. (0.8 mm) L: .80 in. (20.3 mm)	1-10	\$ 69.60	11-20	\$ 66.12
UC274	U-Clamp for MVG71 and WT619 with Self-Adhesive Backing	1+	\$ 3.40		
US140	Universal SOLDAPULLT with SRT12 Tip and ODS31 O-Ring L: 8.0 in. (203.0 mm)	1-50	\$ 10.10	51-100	\$ 9.60
US240	Micro-Tipped Universal SOLDAPULLT with MRT16 Tip and ODS31 O-Ring L: 8.0 in. (203.0 mm)	1-50	\$ 13.00	51-100	\$ 12.35
US340	Static-Safe Universal SOLDAPULLT with LS197 Tip and ODS31 O-Ring L: 8.0 in. (203.0 mm)	1-50	\$ 14.30	51-100	\$ 13.59
VA170	SOLDAVAC Air and Vacuum Pick-Up System with HB359 Requires Shop Air (60-90 psi)	1-10	\$ 295.20	11-20	\$ 280.44
VA175	SOLDAVAC Air and Vacuum Pick-Up System with HB359, LP252 and SPA25 Requires Shop Air (60-90 psi)	1-10	\$ 438.80	11-20	\$ 416.86
VA253	ATMOSCOPE Electric Pick-up Station for SMD Components with LP259	1-10	\$ 414.40	11-20	\$ 393.68
VA270	SOLDAVAC Foot-Switch Activated Vacuum Pick-Up Tool Requires Shop Air (60-90 psi)	1-10	\$ 299.00	11-20	\$ 284.05
VF188	Foam Filter for VT190 Vacuum Tank	1+	\$ 6.50		
VM034	Exhaust Muffler 2.75 Dia. 1.5 Long 60 PPI Foam	1+	\$ 8.50		
VP171	ATMOSCOPE Venturi-Type Vacuum Generator Requires Shop Air (60-90 psi)	1-5	\$ 347.10	6-10	\$ 329.75
VP183	Large Vacuum Plug for VT190 Vacuum Tank (Set of 6)	1+	\$ 4.20		
VP189	Large and Small Vacuum Tank Plug for VT190 (Set of 6 each)	1+	\$ 10.10		
VP267	REGUBLASTER Pump Vacuum Regulator for VP171 and VS171A Requires Shop Air (60-90 psi)	1+	\$ 234.00		
VP268	QUIETURI Venturi Housing for VP171 and VS171A	1+	\$ 93.60		
VP272	Vacuum Pump Assembly with VP267 and VP268	1+	\$ 196.00		
VPG41	Vacuum Performance Gauge with Dual Scale	1+	\$ 76.40		
VS171A	ATMOSCOPE Vacuum Generator Requires Shop Air (80-90 psi)	1-5	\$ 231.50	6-10	\$ 219.93
VS174	ATMOSCOPE Vacuum Generator for 971FX Fume Extraction System Requires Shop Air (60-90 psi) Requires SR811 Hose Assy. or PAS53 (Both Sold Separately)	1-5	\$ 149.10	6-10	\$ 141.65
VT190	Vacuum Tank for VP171	1+	\$ 84.00		
VTG63	Vacuum Tank Gasket for VT190 and VP171	1+	\$ 12.60		
WL675	Replacement Wire Loops for TP795 (K-Type Thermocouple Wires)	1-10	\$ 12.60	11-20	\$ 11.97
WP286	WIGAPRY Desoldering Aid	1-50	\$ 5.90	51-100	\$ 5.61
WP556	WIGAPRY Computer Aid	1-50	\$ 2.20	51-100	\$ 2.09
WS630	SMD Pull Wire Replacement and Static-Safe Spool Dia: .01 in. (.25 mm) L: 10 ft (3.05 m)	1-5	\$ 2.80	6-10	\$ 2.66

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WT618	Wrench for Hot Air Tips (Set of 2)	1+	\$	3.90	
WT619	Tip Wrench with UC274 Clamp for removing RS383 Retaining Sleeve	1+	\$	20.80	
WT620	Socket Wrench for use with RN432 and RN433 Retaining Nuts	1+	\$	7.30	
WT623	Dual Open-End Tip Wrench (1/4 in. and 3/4 in.)	1+	\$	4.10	
WT624	Dual Open-End Tip Wrench for Hot Air Tips (1/4 in. and 5/16 in.)	1+	\$	2.90	
WT625	Allen Wrench (.05 in.) for VA175, LP251 and LP252	1+	\$	1.30	
WT627	Allen Wrench for XP001 (.04 in.)	1+	\$	1.50	
XF10001	Pre-Filter for FX1000 Fume Extraction System	1+	\$	35.50	
XF10003	Gas Filter for FX1000 Fume Extraction System	1+	\$	427.50	
XF10004	Micro/HEPA Filter for FX1000 Volume Fume Extraction System	1+	\$	407.10	
XF10005	Gas Filter-Double for FX1000 Fume Extraction System	1+	\$	855.00	
XF1001	Pre-Filter for FX100 and FX150 Fume Extraction Systems	1+	\$	52.92	
XF1002	Combined Filter for FX100 and FX150 Fume Extraction Systems	1+	\$	516.60	
XF151	Pre-Filter for FX25 Fume Extraction System (Set of 5)	1+	\$	89.46	
XF152	Combined Filter for FX25 Fume Extraction System	1+	\$	214.20	
XF20001	Pre-Filter for FX2000 and FX3000 Volume Fume Extraction Systems	1+	\$	40.32	
XF20003	Gas Filter for FX2000 and FX3000 Volume Fume Extraction Systems	1+	\$	498.96	
XF20004	Micro/HEPA Filter for FX2000 and FX3000 Volume Fume Extraction Systems	1+	\$	441.00	
XF2501	Pre-Filter for FX250 Fume Extraction System (Set of 5)	1+	\$	27.72	
XF2502	Combined Filter for FX250 and FX300 Fume Extraction Systems	1+	\$	277.20	
XF2503	Gas Filter for FX250 and FX300 Fume Extraction Systems	1+	\$	277.20	
XF300	Filter Pack for FX300 Fume Extraction System includes Pre-Filter and Foam Filter	1+	\$	91.52	
XF301	Pre-Filter for FX50 Fume Extraction System	1+	\$	21.70	
XF302	Combined Filter for FX50 Fume Extraction System	1+	\$	367.92	
XF31	Pre-Filter for FX3 Fume Extraction Systems (Set of 5)	1+	\$	16.38	
XF32	Combined Filter for FX3 Fume Extraction Systems	1+	\$	168.84	
XF40001	Pre-Filter for FX4000 and FX4001 Volume Fume Extraction Systems	1+	\$	52.92	
XF40003	Gas Filter for FX4000 and FX4001 Volume Fume Extraction Systems	1+	\$	844.20	
XF40004	Micro/HEPA Filter for FX4000 and FX4001 Volume Fume Extraction Systems	1+	\$	945.00	
XF5001	Pre-Filter for FX500 Fume Extraction System (Set of 5)	1+	\$	131.04	
XF5002	Combined Filter for FX500 Fume Extraction System	1+	\$	327.60	
XF5003	Gas Filter for FX500 Fume Extraction System	1+	\$	327.60	

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XF81	Pre-Filter for FX10 Fume Extraction System (Set of 5)	1+	\$ 83.20		
XF82	Combined Filter for FX10 Fume Extraction System	1+	\$ 178.92		
XFB1	Free Standing Bag Filter for Volume Fume Extraction Units	1+	\$ 1,033.20		
XFB2	Bag Filter Replacement	1+	\$ 189.00		
XFV21	Pre-Filter for FX1 and FXV2 Fume Extraction System (Set of 5)	1+	\$ 11.34		
XFV22	Combined Filter for FX1 and FXV2 Fume Extraction System	1+	\$ 141.12		
XP003	LONER Extra Performance Angle Face Soldering Tip IRON: \$50.00; 21+: \$45.00	1-10	\$ 48.90	11-20	\$ 46.46
XP371	LONER Extra Performance Spade Soldering Tip W: .03 in. (0.8 mm)	1-50	\$ 14.11	51-100	\$ 13.40
XP374	LONER Extra Performance Conical Soldering Tip W: .03 in. (0.8 mm)	1-50	\$ 14.11	51-100	\$ 13.40
XP375	LONER Extra Performance Spade Soldering Tip W: .06 in. (1.5 mm)	1-50	\$ 14.11	51-100	\$ 13.40
XP376	LONER Extra Performance Spade Soldering Tip W: .12 in. (3.0 mm)	1-50	\$ 14.11	51-100	\$ 13.40
XP395	LONER Extra Performance Spade Soldering Tip W: .09 in. (2.3 mm)	1-50	\$ 14.11	51-100	\$ 13.40
XP399	LONER Extra Performance Angle Face Soldering Tip W: .16 in. (4 mm)	1-50	\$ 14.11	51-100	\$ 13.40
XP429	LONER Extra Performance Conical Soldering Tip W: .02 in. (.5 mm)	1-50	\$ 14.11	51-100	\$ 13.40
XP441	LONER Extra Performance Spade Soldering Tip W: .22 in. (5.6 mm) L: .60 in. (15.2 mm)	1-50	\$ 14.11	51-100	\$ 13.40
XP444	LONER Extra Performance Spade Soldering Tip W: .04 in. (1 mm)	1-50	\$ 14.11	51-100	\$ 13.40
ZD107	SOLDAPULLT Iron-Plated Funnel Desoldering Tip Hole Dia: .02 in. (0.5 mm) L: .48 in. (12.2 mm)	1-10	\$ 13.50	11-20	\$ 12.83
ZD111	SOLDAPULLT Iron-Plated Funnel Desoldering Tip Hole Dia: .03 in. (0.8 mm) L: 1.22 in. (31 mm)	1-10	\$ 13.50	11-20	\$ 12.83
ZD112	SOLDAPULLT Iron-Plated Funnel Desoldering Tip Hole Dia: .03 in. (0.8 mm) L: .48 in. (12.2 mm)	1-10	\$ 13.50	11-20	\$ 12.83
ZD113	SOLDAPULLT Iron-Plated Funnel Desoldering Tip Hole Dia: .04 in. (1.0 mm) L: .48 in. (12.2 mm)	1-10	\$ 13.50	11-20	\$ 12.83
ZD115	SOLDAPULLT Iron-Plated Funnel Desoldering Tip Hole Dia: .07 in. (1.8 mm) L: 1.22 in. (31 mm)	1-10	\$ 13.50	11-20	\$ 12.83
ZD118	SOLDAPULLT Iron-Plated Funnel Desoldering Tip Hole Dia: .07 in. (1.8 mm) L: .48 in. (12.2 mm)	1-10	\$ 13.50	11-20	\$ 12.83
ZD12	SOLDAPULLT Iron-Plated General Purpose Desoldering Tip Hole Dia: .03 in. (0.8 mm) L: .50 in. (12.7 mm)	1-10	\$ 10.90	11-20	\$ 10.36
ZD13	SOLDAPULLT Iron-Plated General Purpose Desoldering Tip Hole Dia: .04 in. (1.0 mm) L: .50 in. (12.7 mm)	1-10	\$ 10.90	11-20	\$ 10.36
ZD14	SOLDAPULLT Iron-Plated General Purpose Desoldering Tip Hole Dia: .06 in. (1.5 mm) L: .50 in. (12.7 mm)	1-10	\$ 10.90	11-20	\$ 10.36

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ZD18	SOLDAPULLT Iron-Plated General Purpose Desoldering Tip Hole Dia: .07 in. (1.8 mm) L: .50 in. (12.7 mm)	1-10	\$ 10.90	11-20	\$ 10.36
ZD19	SOLDAPULLT Iron-Plated General Purpose Desoldering Tip Hole Dia: .12 in. (3.0 mm) L: .50 in. (12.7 mm)	1-10	\$ 10.90	11-20	\$ 10.36
ZD25	SOLDAPULLT Replacement Desoldering Tip Hole Dia: .03 in. (0.8 mm) L: .39 in. (9.9 mm)	1-10	\$ 7.20	11-20	\$ 6.84
ZD26	SOLDAPULLT Replacement Desoldering Triplet Hole Dia: .04 in. (1.0 mm) L: .39 in. (9.9 mm)	1-10	\$ 7.20	11-20	\$ 6.84
ZD27	SOLDAPULLT Replacement Desoldering Triplet Hole Dia: .07 in. (1.8 mm) L: .39 in. (9.9 mm)	1-10	\$ 7.20	11-20	\$ 6.84
ZD28	SOLDAPULLT Economy Replacement Desoldering Tip Hole Dia: .03 in. (0.8 mm) L: .30 in. (7.6 mm)	1-50	\$ 1.80	51-100	\$ 1.71
ZD29	SOLDAPULLT Economy Replacement Desoldering Tip Hole Dia: .04 in. (1.0 mm) L: .30 in. (7.6 mm)	1-50	\$ 1.80	51-100	\$ 1.71
ZD30	SOLDAPULLT Economy Replacement Desoldering Tip Hole Dia: .06 in. (1.5 mm) L: .30 in. (7.6 mm)	1-50	\$ 1.80	51-100	\$ 1.71
ZD500DX	SOLDAPULLT Self-Contained Deluxe Hot Tip Desoldering Station	1-5	\$ 738.20	6-10	\$ 701.29
ZD500DX-230	SOLDAPULLT Self-Contained Deluxe Hot Tip Desoldering Station 230V European Style	1+	\$ 900.30		
ZD505	SOLDAPULLT Hot Tip Desoldering Station with PS900-1, HT500 and PD530 (Requires Shop Vacuum)	1-5	\$ 505.40	6-10	\$ 480.13
ZD505-230	SOLDAPULLT Hot Tip Desoldering Station 230V European Style (Requires External Vacuum)	1+	\$ 520.00		
ZD505HA	SOLDAPULLT ATMOSCOPE Hot Tip Desoldering and Hot Air Rework Station with PS900-1, HT500, FA069, PM100 and PM200 Requires Shop Air (60-90 psi)	1-5	\$ 1,026.50	6-10	\$ 975.18
ZD505V	SOLDAPULLT Hot Tip Desoldering Station with PS900-1, HT500 and PM100 Requires Shop Air (60-90 psi)	1-5	\$ 627.70	6-10	\$ 596.32
ZD505V-230	SOLDAPULLT Hot Tip Desoldering Station with PM100 230V European Style Requires Shop Air (60-90 psi)	1+	\$ 627.70		
ZD57	SOLDAPULLT SMD Desoldering Tip Hole Dia: .10 in. (2.5 mm) L: .55 in. (14.0 mm)	1-10	\$ 12.40	11-20	\$ 11.78
ZD58	SOLDAPULLT SMD Desoldering Tip Hole Dia: .13 in. (3.3 mm) L: .55 in. (14.0 mm)	1-10	\$ 12.40	11-20	\$ 11.78
ZD60	SOLDAPULLT SMD Desoldering Tip Hole Dia: .15 in. (3.8 mm) L: .55 in. (14.0 mm)	1-10	\$ 12.40	11-20	\$ 11.78
ZD61	SOLDAPULLT SMD Desoldering Tip Hole Dia: .25 in. (6.4 mm) L: .55 in. (14.0 mm)	1-10	\$ 12.40	11-20	\$ 11.78
ZD70	SOLDAPULLT Special Application Desoldering Tip Hole Dia: .08 in. (2.0 mm) L: .30 in. (7.6 mm)	1-10	\$ 13.70	11-20	\$ 13.02
ZD71	SOLDAPULLT Special Application Desoldering Tip Hole Dia: .08 in. (2.0 mm) L: .30 in. (7.6 mm)	1-10	\$ 13.70	11-20	\$ 13.02
ZD905	SOLDAPULLT LONER Hot Tip Desoldering and Soldering Station with PS902-1, HT500, LST11, PD528 and PD530 (Requires Shop Vacuum)	1-5	\$ 672.70	6-10	\$ 639.07

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ITEM	DESCRIPTION	RETAIL			
ZD905-230	SOLDAPULLT LONER Hot Tip Desoldering and Soldering Station 230V European Style (Requires Shop Vacuum)	1+	\$ 672.70		
ZD905V	SOLDAPULLT LONER Hot Tip Desoldering and Soldering Station with PS902-1, LST11 HT500, PM100 and PD528 Requires Shop Air (60-90 psi)	1-5	\$ 811.90	6-10	\$ 771.31
ZD905V-230	SOLDAPULLT LONER Hot Tip Desoldering and Soldering Station 230V European Style Requires Shop Air (60-90 psi)	1+	\$ 742.20		
ZD905V-HP	SOLDAPULLT LONER Hot Tip Desoldering and High Performance Soldering Station with LST12, HT500 and PM100 Requires Shop Air (60-90 psi)	1-5	\$ 879.80	6-10	\$ 835.81
ZD906	SOLDAPULLT ATMOSCOPE and LONER Shop Air Powered Rework Station with PS902-1, HT500, FA069, LST11, PM100 and PM200 Requires Shop Air (60-90 psi)	1-5	\$ 1,261.00	6-10	\$ 1,197.95

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