E-Line Flux Remover & Maintenance Cleaner

1621A-400S

Product Description

E-Line is a hydrocarbon based defluxer formulated to be powerful, yet very economical. Eliminates brushing and scrubbing, saving time and materials. Micro-components and fine pitch leads are delicate and easily damaged, so brushing and scrubbing should be avoided if possible. Techspray aerosol solvents have a powerful spray and strong solvent that blasts off residues and cleans areas under components that a brush cannot touch.



Features / Benefits

- Powerful cleaner
- Ideal for sensitive plastics
- Safe on electronics
- Rapid evaporation
- Zero residue
- Proven effective for lead-free processes
- Non-ozone depleting

Call-Outs / Specifications

- FORD TOX#142431 (on 1621 with HFC-152a)
- USDA Accepted K2 (on 1621 with HFC-152a)

Compatibility

Chemical Composition

Chemical Name	CAS#
n-Heptane	142-82-5
2-Propanol	67-63-0
Ethanol	64-17-5
n-Propyl acetate	109-60-4
Propane (R-290)	74-98-6
Isobutane (R600a)	75-28-5

Plastics & Rubber Compatibility

Material Name	Compatibility
ABS:	Excellent
Nylon:	Excellent
Lexan:	Excellent
HDPE:	Excellent
LDPE:	Excellent
C.E. Phenolic:	Excellent
PMMA:	Excellent
POM:	Excellent
PP:	Excellent
PS:	Excellent
PTFE:	Excellent
PVC:	Excellent

Typical Product Data and Physical Properties

ODOR:	Characteristic hydrocarbon odor
Appearance:	Clear, Colorless liquid
Percent volatile:	100 at 20°C (68°F)
Flashpoint and method:	(22°F) TAG CC
Solubility in water:	to 32 at 20°C (68°F)
Evaporation Rate:	> 1 (TCE=1)
DENSITY:	0.713g/mL at 25°C
VOC:	Aerosol 100%
Bulk 100%	

E-Line Flux Remover & Maintenance Cleaner
1621A-400S

Usage Instructions

FOR PROFESSIONAL OR INDUSTRIAL USE ONLY. Disconnect equipment from power source. Hold can 6-8 inches away. When used as a general cleaner, start at top of area to be cleaned using a sweeping motion and spray the area, slowly working toward the bottom. To clean in hard to reach areas, insert extension tube in sprayhead.. Allow components to dry completely before applying current.

EU Packaging and Availability

1621A-400S	400ml aerosol
1621-4L	1 gallon (3.8L) (request for availability)

Environmental Policy

Techspray® is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

Resources

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Eco-Vortex Ultra Pure Duster

1597-8S

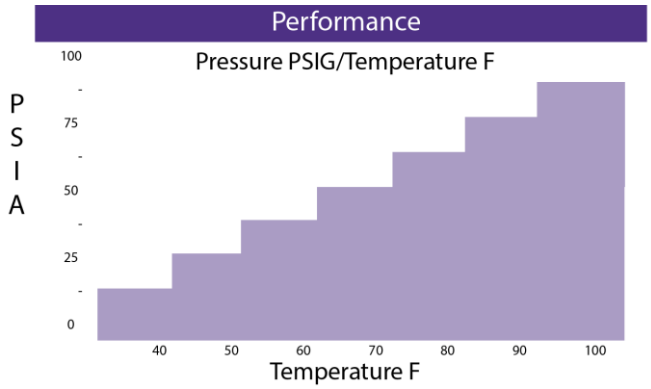
Product Description

Renew Duster is formulated with new HFO-1234ze propellant, with a fraction of the global warming potential (GWP) of HFC-134a and HFC-152a based dusters. Renew-Duster is a drop-in replacement – nonflammable, odorless, has a low toxicity, and similar temperature.

Because HFO-1234ze is lighter than HFC-134a, there is more volume and blasts per can.

Features / Benefits

- Nonflammable
- High pressure for particle removal and contamination control
- Useful for drying and removing solvents from surfaces
- Ultra-low global warming impact of 6
- Ultra-pure, filtered to <0.2 microns
- CFC, HCFC and HFC free
- Non-ozone depleting



Usage Instructions

- For industrial use only.
- Read MSDS carefully prior to use

No special surface preparation is required prior to using the Renew Duster. Direct high pressure spray onto the area to be cleaned to remove dust, dirt and other contaminant. For optimum performance and pin point control, use with the attached extension tube.



Typical Product Data and Physical Properties

Boiling point	-2 °F / -19 °C
Vapor Density (air=1) @ 77°F	4.0
Solubility in Water @ 70°F/1 atm	0.10% by weight
Specific Gravity (Water = 1 @ 77°F)	1.17
Evaporation Rate (Butyl acetate=1)	>1
Appearance	Clear, Colorless, Liquified Gas
Odor	Odorless
Internal Pressure	47 psia @ 70 °F
Flash Point (TCC)	None
Shelf life	5 years
Global Warming Potential	6.0*
RoHS/WEEE Status	RoHS COMPLIANT

*Global warming potential (GWP) is calculated based on a 100 year time horizon. Carbon dioxide has a GWP of 1.

Eco-Vortex Ultra Pure Duster
1597-8S

Compatibility (cont.)

Material Name	Compatibility
Buna-N:	Excellent
Graphite:	Excellent
HDPE:	Excellent
LDPE	Excellent
Lexan	Excellent
Neoprene	Excellent
Cross-Linked PE	Excellent
Polyacrylate	Excellent
Polystyrene:	Excellent
PVC:	Excellent
Silicone Rubber:	Excellent
Teflon	Excellent
Viton:	Excellent

Renew Duster is generally compatible with most materials used in printed circuit board fabrication, including sensitive plastics and compounds. As with any duster/cleaner, compatibility must be determined on a non-critical area prior to use.

Packaging and Availability

Renew Eco-Freezer is available in the following sizes:

1597-8S 200ml aerosol

Environmental Impact Data

Techspray® is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

Environmental Impact Data			
CFC	0.0%	VOC	0.0%
HCFC	0.0%	HFC	0.0%
CL Solv.	0.0%	ODP	0.00

CFC, HCFC, CL. Solv., VOC and HFC numbers shown are the content by weight. Ozone depletion potential (ODP) is determined in accordance with the Montreal Protocol and U.S. Clean Air Act of 1990. The ODP of this product is 0.0. It is the sum of the ODP of the substances that may contribute to the depletion of stratospheric ozone, based upon the weight of each substance in the product's formulation. VOC consideration is based on the materials being not photo chemically reactive by Commonly Used Standards (material supplier).

Resources

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Zero Charge Mat & Table Top Cleaner
Product# 1733

Product Description

Clean flux and other residues off of ESD-Safe mats and tabletops. Will not dry out surfaces (i.e. IPA) or leave insulative waxes (i.e. household cleaners).

Features / Benefits

- Rejuvenates ESD-safe mats
- Will not dry out surfaces
- Leaves no insulate film
- Nonflammable
- No ammonia
- Non-corrosive
- Non-ozone depleting

Packaging and Availability

1733-QT	1 quart liquid
1733-G	1 gallon liquid
1733-5G	5 gallon liquid

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Typical Product Data and Physical Properties

Physical state:	Liquid
Odor:	Pleasant
Color:	Light blue
pH:	7.2
Percent volatile:	70
Boiling point:	212ºF (100ºC)
Solubility in water:	100
Specific gravity:	1.030 (water=1)
VOC:	11.000 g/L
Shelf life:	5 year unopened

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Licron Crystal ESD-Safe Coating

Product# 1756



Product Description

Licron Crystal™ is a revolutionary and innovative concept in permanent static dissipative coatings. It provides excellent adhesion to metals, glass, plastics, paints and most other surfaces. Licron Crystal operates from 0-100% humidity. The cured coating is durable, will not chip and maintains 10^7-10^9 [make 7 and 9 superscript] ohms resistivity. Licron Crystal is crystal clear, unlike other static dissipative coatings (including the original Licron) that are translucent.

Licron Crystal can be sprayed using standard spray guns or paint systems (test compatibility on seals and other plastic or rubber components). As long as the coat is smooth and even, the finish is absolutely clear and glossy. A grounding wire can then be attached (i.e. by conductive adhesive) similar to an ESD floor.

Features / Benefits

- Rugged static dissipative coating
- Surface Resistivity of 10^6 To 10^9 ohms
- Operating temperature range up to 302°F (155°C)
- Humidity independent
- Superior adhesion to variety of surfaces: glass, plastic, etc.
- Coverage - 1 gallon @ 1 mil wet film will cover ~1600 sq. ft., @ 2 mil ~800 sq. ft.
- Non-ozone depleting

Applications

- Electronic Assembly Work Stations, Bins, Carts, and Trays
- Electronic Assembly Work Enclosures, Including Plexi-Glass
- Packaging for Sensitive Components
- Production Conveyors & Bumpers
- Static Protection for Electronic Devices

Usage Instructions

Surface to be coated should be dry and free of dirt, grease, and oils. Can and surface should be at room temperature. Shake can vigorously prior to spraying and re-shake occasionally during extended applications. Hold can 8-10 inches from surface. One to two light passes results in a clear coat within the resistivity range. Heavy application or spraying when humidity is over 50% RH may result in hazy coat. Allow to dry 24 hours at room temperature (70°F/21°C) for full cure. Accelerate cure by placing in oven at 120°-150°F for 1-2 hours. To ensure material compatibility, test on inconspicuous area before general use.

Typical Product Data and Physical Properties

Physical state:	Liquid
Flash point:	Closed cup: 53.2ºF (11.7ºC)
Auto-ignition temperature:	852.8ºF (456ºC)
Flammable limits:	Lower 2% Upper 12%
Color:	Colorless
Odor:	Alcohol-like
pH:	8.5
Boiling/condensation point:	181.4ºF (83ºC)
Melting/freezing point:	-130ºF (-90ºC)
Relative density:	0.79
Vapor pressure:	4.4 kPa (33 mmHg)
Vapor density:	2.1 [Air=1]
Evaporation rate:	<1 (Water=1)
Shelf life:	5 years unopened

Licron Crystal ESD-Safe Coating
Product# 1756

Test Data

Chemical Resistivity/Compatibility Test

Coating = 2 mil wet (~0.2 mil dry) on PMMA. 1 drop/time/30-sec DI rinse

MATERIAL	1-Minutes Results	5- Minutes Results	10- Minutes Results
DI Water (control)	None	None	None
70% IPA	Light haze, coating intact	Haze, coating intact	Discoloration, coating intact
50% Ethanol	Light haze, coating intact	Haze, coating intact	Discoloration, coating intact
1:1 Clorox	None	None	None
Dowanol DPM	Haze, coating intact	Partial dissolution	Total dissolution
Tetrahydrofuran (THF)	Haze, light crazed coating	Haze, coating intact	Bleached, crazed coating
n-propyl acetate	Haze, coating intact	Slight dissolution	Slight dissolution
Parson's Sol'n (1.4% NH_4OH)	None	None	None
5% Acetic acid	None	None	None
409 Pro	None	None	None
Pine-Sol Lemon	Very light haze, intact	Very light haze, intact	Slight haze, coating intact
Windex	Very light haze, intact	Very light haze, intact	Deep haze, coating intact
Coca-Cola	None	None	None
Mustard	None	None	None
Acetone	Haze, softened coating	Haze, softened coating	Softened, bubbled coating
d-Limonene	None	None	Slight haze, coating intact
Palmolive Ultra dish detergent	None	None	None

Substrate Compatibility Test

ASTM D3359 Mtd B Adhesion Test

Bulk coating = 2 mil wet (~0.2 MIL DRY), cured at RT 12 hrs & heat cured @ 65°C/5 min

Material	Testing Results	
ABS smooth	4B	
Nylon 6	5B	
Nylon 6/6	4B	
PC (Lexan)	5B	
HDPE	5B	
LDPE	4B	
Phenolic CE	5B	
PMMA	5B	
POM	0B	*Not recommended*
PP	4B	
PS	0B	*Not recommended*
PTFE	0B	*Not recommended*
PVC-P	4B	
PVC-R	4B	
Glass	4B	

Test Data (cont.)

Substrate Compatibility Test (cont.)

Key	100 square 1mm grid
0B	65%+
1B	Flaked along edges in large ribbons & whole squares, 35-65%
2B	Flaked along edges and parts of squares, 15-35%
3B	Small flakes are detached along edges and intersections, 5-15%
4B	Small flakes are detached at intersections, <5%
5B	No square of the lattice are detached

Packaging and Availability

1756-8S 8 oz. Aerosol

1756-G 1 gallon liquid

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WonderMASK P Peelable Solder Mask

Product# 2211

Product Description

WonderMASK P is a temporary, peel-able solder mask comprised of a thixotropic, synthetic acrylic latex designed to withstand fluxing, wave soldering and cleaning operations. Unlike natural latex mask, it contains no offensive ammonia and hence is non-corrosive to copper, gold, silver or pre-soldered surfaces. In addition, stability problems are averted. When applied, the product is opaque pink, and when cured, becomes completely translucent red. Cured mask can be for masking conformal coatings. May be used in applications such as robotic, pneumatic, hand applied or template screening (not recommended for silk screening).

Techspray's WonderMASK is the industry-leading temporary solder mask brand because of quality and versatility. Depending on the product, mask can be peeled off manually or washed off in a batch or inline system.

WonderMASK has a number of useful applications in PCB assembly:

- Thru-hole masking – Prevent soldering open holes in a wave soldering process by covering with WonderMASK. All of the masks listed below are well suited for this application.
- Conformal coating masking – In a conformal coating dipping or spraying process, WonderMASK can be used to cover connectors and other components and areas that should not be coated.
- Temporary component adhesive – WonderMASK can be used to tack down components on double-sided PCBs.

All Techspray WonderMASK products have the following advantages:

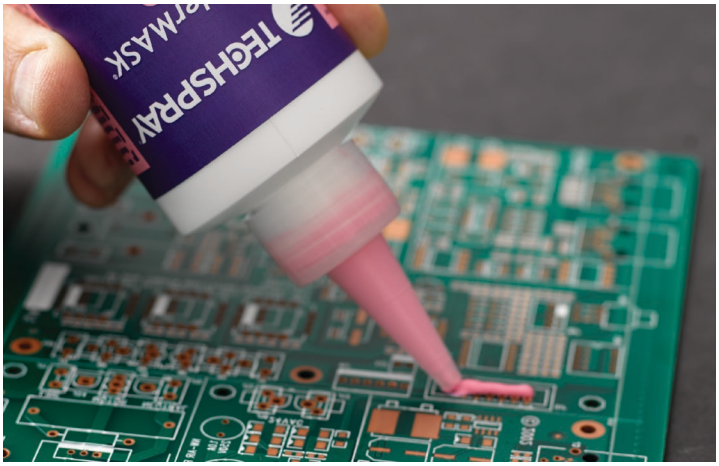
- Can be cured in pre-heat
- Withstands lead-free soldering temperatures up to 640°F (343°C) in wave soldering process
- RoHS compliant

Features / Benefits

- **Non-ammoniated**
- **Nonflammable**
- **Easily peel-able**
- **Low odor**
- **Cure indicator - darkens as it cures**
- **Compatible with gold and copper leads**

Usage Instructions

Apply a 20 to 30 mil coating for best results to desired area. The substrate should be free from flux, oil, and particulate matter. Drying times depend upon ambient humidity. Under normal conditions WonderMASK P is ready for preheating stage in 1 hour, however, cure can be accelerated to 30 minutes at 65˚C/150˚F or 20 minutes at 82˚C/180˚F. Do not over cure, as blistering of mask can occur, causing removal problems. Mask will change from an opaque pink to a translucent red when complete cure is accomplished. Mask does not have to be completely dry to withstand soldering operation; however, it should be completely translucent before removal.



Typical Product Data and Physical Properties

Physical state:	Liquid
Color:	Pink/red
Relative density:	1
Shelf life:	2 years

Performance & Application Data

Application	Template, hand, pneumatic, robotic
Viscosity	28,000-30,000 cps
Suggested thickness	20-30 mils
Thinner	DI water
Cure time	1hr. Ambient, 30 min.@65℃, 20 min. @82℃
Removal	Peel-able

WonderMASK P Peelable Solder Mask

Product# 2211

Packaging and Availability

2211-8SQ	8 oz. Liquid
2211-G	1 Gallon Liquid
2211-5G	5 Gallon Liquid
2211-54G	54 Gallon Liquid

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Techspray Reinigungsstäbchen

- Einfache punktuelle Reinigung
- Hohe Saugfähigkeit
- Fusselfreie Variante möglich
- Trocken oder in Verbindung mit einem Reiniger anwendbar



Die Serie umfasst die folgenden Stäbchen:

Produkt	Spitzen-Breite	Spitzen-Befestigung	Griff-Länge	Griff-Material	Beutel	Beutel
2300	4,8 mm	Gewickelt	15,2 cm	Holz	---	2300-1000
2301	4,8 mm	Gewickelt	15,2 cm	Holz	---	2301-1000
2302	11,1 mm	Heißversiegelt	15,2 cm	Polypropylen	2302-50	---
2303	6,4 mm	Heißversiegelt	15,2 cm	Polypropylen	2303-50	---
2306	12,7 mm	Heißversiegelt	12,7 cm	Polypropylen	2306-50	2306-1000
2307	4,8 mm	Heißversiegelt	10,2 cm	Polypropylen	2307-50	2307-1000
2313	3,2 mm	Gewickelt	8,3 cm	Papier	2313-30	---
2316	1,25 mm	Heißversiegelt	15,9 cm	Polypropylen	2316-50	2316-1000
2317	2,5 mm	Heißversiegelt	15,9 cm	Polypropylen	2317-50	---

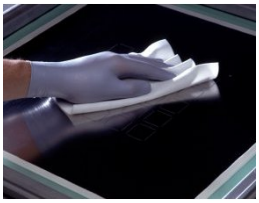
Was gibt es bei …
Isolier-, Schutz- und Schrumpfschläuche ◆ Elektrisch und thermisch isolierende Stoffe ◆ Produktions-hilfsmittel- und Zubehör ◆ Kabel, Litzen und Wickeldrähte ◆ Keramik Zemente ◆ Wärmeleitfolien

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Techspray Reinigungstücher

- Hohe Saugfähigkeit
- Fusselfrei (außer 2357)
- Trocken oder in Verbindung mit einem Reiniger anwendbar
- ESD Variante (2362)



Die Serie umfasst die folgenden Tücher:

Techclean Wiper 2350
Beschreibung: Zellulose/Polyester Vlies
Eigenschaften:
Speziell für Reinraumanwendungen entwickeltes Tuch. Sehr saugfähig, enthält keine chemischen oder thermischen Binder, nicht abrasiv, hohe Reißbeständigkeit im trockenen und nassen Zustand, lösungsmittelbeständig und fusselfrei.
Klasse 100 Reinraum qualifiziert.



Anwendungen:
Reinraumanwendungen, Reinigung in Verbindung mit Lösungsmitteln oder wässrigen Systemen, Lösung starker Verschmutzungen, Anti-Statik Anwendungen.
Lieferform:
2350-100: 100 Tücher, 203 x 254 mm, im Anti-Statik-Beutel, VPE= 12 Beutel

Techclean Absorbwipe 2351 & 2352
Beschreibung: 100% Polyester
Eigenschaften:
Sehr weiches und saugfähiges Tuch für die Reinigung im trockenen und nassen Zustand, lösungsmittelbeständig, fusselfrei, lange haltbar.
Klasse 100 Reinraum qualifiziert.



Anwendungen:
Reinraumanwendungen, Optische Industrie, Reinigung empfindlicher Oberflächen in Verbindung mit Lösungsmitteln oder wässrigen Systemen.
Lieferform:
2351-100: 100 Tücher, 100 x 100 mm, im Anti-Statik-Beutel, VPE= 12 Beutel
2352-100: 100 Tücher, 230 x 230 mm, im Anti-Statik-Beutel, VPE= 12 Beutel

Techclean Purewipe 2355
Beschreibung: 100% Polyester Filamentgewebe, ineinandergreifend verstrickt
Eigenschaften:
Sehr strapazierfähiges Tuch speziell für starke Verschmutzungen sehr hohe Reißbeständigkeit im trockenen und nassen Zustand, lösungsmittelbeständig, fusselfrei, lange haltbar.



Anwendungen:
Reinigung rauher Oberflächen in Verbindung mit Lösungsmitteln oder wässrigen Systemen, Reinraumanwendungen.
Lieferform:
2355-100: 100 Tücher, 228 x 228 mm, im Anti-Statik-Beutel, VPE= 12 Beutel

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Techclean Twillwipe 2357
Beschreibung: 100% Baumwollgewebe in Köperbindung
Eigenschaften:
Sehr strapazierfähiges Tuch speziell für starke Verschmutzungen, bei hohen Temperaturen, säurebeständig, sehr hohe Reißbeständigkeit im trockenen und nassen Zustand, lösungsmittelbeständig, lange haltbar, diagonal geschnitten um Ausfaserung zu verhindern.



Anwendungen:
Reinigung rauher Oberflächen in Verbindung mit Lösungsmitteln oder wässrigen Systemen, Anti-Statik-Anwendungen, bei hohen Temperaturen.
Lieferform:
2357-100: 100 Tücher, 152 x 152 mm, im Anti-Statik-Beutel, VPE= 12 Beutel

Techclean Blue 2359
Beschreibung: Zellulose/Polyester Vlies, blau, stumpfe Oberfläche
Eigenschaften:
Speziell für Reinraumanwendungen entwickeltes Tuch. Sehr saugfähig, enthält keine chemischen oder thermischen Binder, nicht abrasiv, hohe Reißbeständigkeit im trockenen und nassen Zustand, lösungsmittelbeständig und fusselfrei. Das Tuch entspricht der Type 2350, hat allerdings eine Oberfläche, die sich leicht klebrig, stumpf anfühlt.



Anwendungen:
Reinraumanwendungen, Reinigung in Verbindung mit Lösungsmitteln oder wässrigen Systemen, Lösung starker Verschmutzungen, Anti-Statik Anwendungen.
Lieferform:
2359-300: 100 Tücher, 228 x 228 mm, im Anti-Statik-Beutel, VPE= 6 Beutel

Techclean Anti Static Wipe 2362
Beschreibung: Polyestertuch
Eigenschaften:
Speziell für ESD-Anwendungen entwickeltes Tuch. Antistatisch, hohe Reißbeständigkeit im trockenen und nassen Zustand, sehr niedriger Teilchengehalt.
Klasse 100 Reinraum qualifiziert.



Anwendungen:
Reinraumanwendungen, Reinigung in Verbindung mit Lösungsmitteln oder wässrigen Systemen,
Anti-Statik Anwendungen.
Lieferform:
2362-150: 100 Tücher, 230 x 230 mm, im Anti-Statik-Beutel, VPE= 6 Beutel

Was gibt es bei …
Isolier-, Schutz- und Schrumpfschläuche ◆ Elektrisch und thermisch isolierende Stoffe ◆ Produktions-hilfsmittel- und Zubehör ◆ Kabel, Litzen und Wickeldrähte ◆ Keramik Zemente ◆ Wärmeleitfolien

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Techspray Entlötlitzen

Pro-Wick Rosin - ESD-sichere Spule

Für sehr schnelles Aufsaugen ist eine mit Harzmittel getränkte Litze ideal für die hochvolumige PCB-Produktion/-Reparatur



1808	#0 Weiß (0,9mm	1808-5F	1808-10F	-	-	1808-100F
1809	#1 Gelb (1,4mm)	1809-5F	1809-10F	1809-25F	-	-
1810	#2 Grün (1,9mm)	1810-5F	1810-10F	1810-25F	-	1810-100F
1811	#3 Blau (2,5mm)	1811-5F	1811-10F	1811-25F	-	1811-100F
1812	#4 Braun(3,3mm)	1812-5F	-	-	-	-

No-Clean-Litze - ESD-sichere Spule

Die sauberste No-Clean-Litze in der Branche. Unsere Flussmittelformel wurde speziell dafür entwickelt Leiterplattenversagen durch ionische Flussmittelrückstände zu vermeiden.



1820	#0 Weiß (0,9mm)	1820-5F	1820-10F	-	1820-50F	-
1821	#1 Gelb (1,4mm)	1821-5F	1821-10F	1821-25F	1821-50F	-
1822	#2 Grün (1,9mm)	1822-5F	1822-10F	-	1822-50F	1822-100F
1823	#3 Blau (2,5mm)	1823-5F	1823-10F	1823-25F	-	1823-100F
1824	#4 Braun(3,3mm)	1824-5F	-	1824-25F	-	-
1825	#5 Rot (4,9mm)	1825-5F	-	-	-	-

Litze ohne Flussmittel - ESD-sichere Spule

Für Kunden, die wasserlösliche Flussmittel oder ihre eigenden Flussmittel für wässrige Verfahren verwenden.



1830	#1 Weiß (0,9mm)	-	1830-10F	-	-	-
1833	#2 Blau (2,5mm)	-	1833-10F	-	-	-

Was gibt es bei …
Isolier-, Schutz- und Schrumpfschläuche ◆ Elektrisch und thermisch isolierende Stoffe ◆ Produktions-hilfsmittel- und Zubehör ◆ Kabel, Litzen und Wickeldrähte ◆ Keramik Zemente ◆ Wärmeleitfolien

ISO 9001
ISO 14001
BUREAU VERITAS Certification

PLATO

Produktübersicht

- **Lötspitzen**
- **Platoscheren**
- **Lötspitzenverzinner**







Lötspitzen und Scheren für die Elektro- und Elektronikindustrie

DETAKTA

Hans-Herbert von Saenger

Isolier- und Messtechnik GmbH & Co KG

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C-Serie (Weller)

Weller®	Plato® Tip	
PTA	C-3039	1/16"(1.6)
PTB	C-3040	3/32"(2.4)
PTC	C-3036	1/8"(3.2)
PTD	C-1016	3/16"(4.8)
PTE	C-1017	7/32"(5.6)
PTK	C-3043	3/64"(1.2)

Weller®	Plato® Tip	
PTP	C-462	1/32"(0.8)
PTR	C-1021	1/16"(1.6)
PTAA	C-5139	1/16"(1.6)
PTBB	C-5143	3/32"(2.4)
PTCC	C-5141	1/8"(3.2)
PTDD	C-5142	3/16"(4.8)

DX-Serie (Weller)

Weller®	Plato® Tip	
MPT-1	DX-4771	.012" (0.3)
MPT-1S	DX-4814	.012" (0.3)

Weller®	Plato® Tip	
MPT-H	DX-2683	1/32" (0.8) .024" (0.6)
	DX-4977	.016" (0.4)

ER-Serie (Ersa)

Ersa®	Plato® Tip	
602CD	ER-2675	.085" (2.2)
602ED	ER-2676	.125" (3.2)
832CD	ER-3998	.085" (2.2)

Ersa®	Plato® Tip	
832ED	ER-3101	.126" (3.2)
832UD	ER-4005	.016" (0.4)
832BD	ER-4002	.040" (1.0)

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EW-Serie (Weller)

Weller®	Plato® Tip	
ETA	EW-303	1/16"(1.6)
ETB	EW-305	3/32"(2.4)
ETC	EW-307	1/8"(3.2)
ETD	EW-103	3/16"(4.8)
ETE	EW-105	7/32"(5.6)
ETGW	EW-0574	.195"(5.0), .135"(3.4) SMD Flow Tip
ETH	EW-301	1/32"(0.8)
ETK	EW-304	3/64"(1.2)
ETL	EW-306	5/64"(2.0)
ETM	EW-308	1/8"(3.2)

Weller®	Plato® Tip	
ETO	EW-404	1/32"(0.8)
ETP	EW-403	1/32"(0.8)
ETR	EW-101	1/16"(1.6)
ETS	EW-402	1/64"(0.4)
ETT	EW-401	.025"(0.6)
ETV	EW-511	1/32"(0.8)
ETAA	EW-513	1/16"(1.6)
ETBB	EW-515	3/32"(2.4)
ETCC	EW-517	1/8"(3.2)

HS-Serie (Hakko)

Hakko®	Plato® Tip	
900M-T-4C	HS-5875	5/32" (4.0)
900M-T-LB	HS-4786	1/64" (0.4)
900M-T-K	HS-0927	3/16" (4.7), 1/4" (6.3)

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20-Serie (Pace)

Pace®	Plato®	L	D1	D2
Plato® Tips to fit Pace® SX-20, SX-25, SX-25V SODR-X-TRACTORS®				
1121-0480	**20-0114**	1.00" (25.4)	.030" (0.8)	.060" (1.5)
—	**20-0815**	1.00" (25.4)	.036" (0.9)	.065" (1.7)
1121-0479	**20-0110**	1.00" (25.4)	.040" (1.0)	.080" (2.0)
1121-0216	**20-0113**	1.00" (25.4)	.050" (1.3)	.090" (2.3)
1121-0217	**20-0111**	1.00" (25.4)	.060" (1.5)	.100" (2.5)

Pace®	Plato®	L	D1	D2
Plato® Tips to fit Pace® SX-40A, SX-55A, SX-65A, SX-70 SODR-X-TRACTORS® with Plato Adapter 33-0001				
1121-0485	**20-025**	1.75" (44.5)	.030" (0.8)	.080" (2.0)
1121-0486	**20-040**	1.75" (44.5)	.040" (1.0)	.080" (2.0)
—	**20-050**	1.75" (44.5)	.050" (1.3)	.090" (2.3)
1121-0255	**20-060**	1.75" (44.5)	.060" (1.5)	.100" (2.5)

Plato® Tip



30-Serie (Pace)

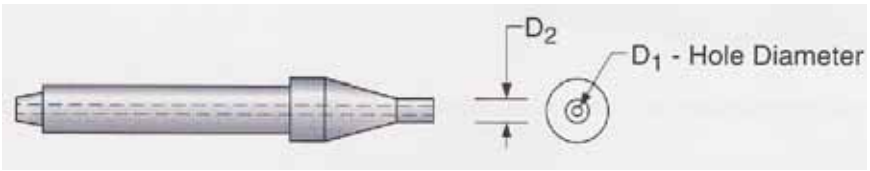
Pace®	Plato®	ID	OD
1121-0624	**30-0401**	.040"	.090"
1121-0626	**30-0601**	.060"	.120"
1121-0629	**30-1004**	.040"	.10"
1121-0679	**30-1400**	.040"	.090"
1121-0690	**30-1600**	.060"	.110"







Pace®	Plato®	D1 (mm)	D2
1121-0342	**30-0400**	.040" (1.0)	.085" (2.2)
1121-0368	**30-0600**	.060" (1.5)	.115" (2.9)



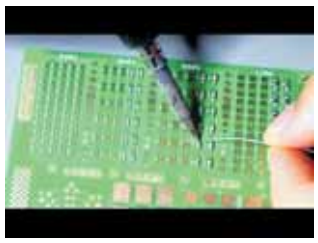
33-Serie (Pace)

Pace®	Plato® Tip
1121-0335	
1121-0336	
1121-0337	
1121-0357	

Pace®	Plato® Tip
1121-0360	
1121-0363	
1121-0414	
1121-0490	

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MS-Serie (Weller)

Weller®	Plato® Tip	
—	MS-4140	.031" (0.8)
LT1	MS-4120	.010" (0.25)
LT1L	MS-4110	.010" (0.25)
LT1LX	MS-4101	.010" (0.25)
LT1S	MS-4100	.063" (1.6), .010" (0.25)
LT4W	MS-5160	.047" (1.2)
LT4X	MS-3125	28°, 0.016" (0.4), 0.085 (2.1), 0.047 (1.2)
LTA	MS-3200	.063" (1.6), .031" (0.8)
LTB	MS-3300	.094" (2.4), .031" (0.8)

Weller®	Plato® Tip	
LTC	MS-3400	.125" (3.2), .031" (0.8)
LTD	MS-3600	.181" (4.6), .031" (0.8)
LTGW	MS-0100	.122" (3.1), .064" (2.1)
LTH	MS-3110	.031" (0.8), .016" (0.4)
LTHX	MS-3101	.024" (0.6), .016" (0.4)
LTK	MS-3150	.050" (1.3), .020" (0.5)
LTL	MS-3250	.079" (2.0), .039" (1.0)
LTM	MS-3450	.125" (3.2), .047" (1.2)
LTS	MS-4130	.018" (0.5)



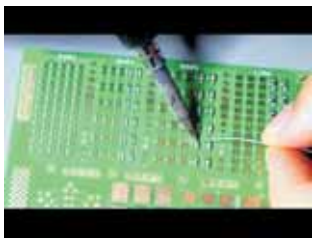




Wenn Sie weitere Hilfs- und Reinigungsmittel für die Elektro- und Elektronikindustrie benötigen fordern Sie einfach unsere

TECHSPRAY® **Produktübersicht an.**



Platoscheren

170 Platoschere
Schneidet Kupferdrähte bis Ø 1,0 mm,
Gewicht 51 g, Zangenlänge 131 mm

175 Platoschere
Wie Platoschere 170, jedoch mit Haltefeder für abgeschnittene Drahtenden



170LX Platoschere
Schneidet Kupferdrähte bis Ø 1,0 mm, Gewicht 51 g, Zangenlänge 131 mm mit ERGO-Griff



170-SD Platoschere
Wie Platoschere 170 jedoch mit ableitenden Griffüberzug



1755 Platoschere
Schneidet Kupferdrähte bis max. Ø 1,6 mm,
Gewicht 71 g, Zangenlänge 148 mm



Lötspitzenverzinner

TT-95 Lötspitzenverzinner 20g
Oxydierte und verschmutzte Lötspitzen werden durch diesen Lötspitzenreiniger gleichzeitig gereinigt und verzinnt. Temperaturstabil und in ESD-sicherer Verpackung




Vor Anwendung


Nach Anwendung

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