





AND





Surgical Instruments short **CATALOG** 





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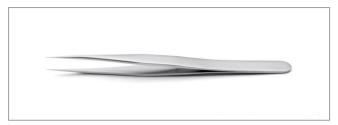
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# **High Precision Tweezers**

### Anti-Acid/Anti-Mag SS (SA)



0.SA

Tips: straight, fine, superior finish. OAL: 120mm



000.SA

Tips: straight, fine, superior finish. OAL: 120mm



0C9.SA

Tips: straight, fine, superior finish. OAL: 90mm



1.SA

Tips: straight, fine, superior finish. OAL: 120mm



#### 00.SA

Tips: straight, strong, thick, superior finish. OAL: 120mm



#### 00B.SA

Serrated handles - Tips: straight, strong, thick, superior finish. OAL: 120mm



#### 00D.SA

Serrated handles - Tips: straight, strong, thick, line serrated, superior finish. OAL: 120mm



### 2.SA

Tips: straight, sharp, fine, superior finish. OAL: 120mm





# **High Precision Tweezers**

### Anti-Acid/Anti-Mag SS (SA)



2A.SA

Tips: straight, flat, round, superior finish. OAL: 120mm



3.SA

Tips: straight, very sharp, fine, superior finish.

OAL: 120mm



4.SA

Tips: straight, extra fine, superior finish. OAL: 110mm



5A.SA

Tips: straight, extra fine, superior finish. OAL: 115mm



2AB.SA

Tips: flat, round, curved, superior finish. OAL: 120mm



3C.SA

Tips: straight, sharp, fine, superior finish. OAL: 110mm



5.SA

Tips: straight, extra fine, superior finish. OAL: 110mm



5B.SA

Tips: bent, extra fine, superior finish. OAL: 110mm







# **High Precision Tweezers**

### Anti-Acid/Anti-Mag SS (SA)



6.SA

Tips: angled, flat, fine, superior finish. OAL: 120mm



#### 10G.SA

Serrated handles - Tips: straight, fine, line serrated, superior finish. OAL: 110mm



Tips: very fine, bent, superior finish. OAL: 140mm



#### F.SA

Tips: straight, flat, squared head, thin, strong, superior finish. OAL: 120mm



#### K5HP.SA

Kit of 5: 00, 2A, 3C, 5, 7.



#### 7.SA

Tips: very fine, curved, superior finish. OAL: 120mm



#### 51S.SA

Tips: bent, extra fine, superior finish. OAL: 115mm



Serrated handles - Tips: straight, strong, superior finish. OAL: 110mm



#### SS.SA

Tips: straight, extra fine, very sharp, superior finish.

OAL: 140mm





# Biology Tweezers

### Superalloy Anti-Acid/Anti-Mag (CX)



3SG.CX

Serrated handles - Tips: straight, very sharp, fine, superior finish. OAL: 120mm



#### 5SG.CX

Serrated handles - Tips: straight, extra fine, superior finish. OAL: 110mm



#### 4SG.CX

Serrated handles - Tips: straight, extra fine, superior finish. OAL: 110mm



#### 7SG.CX

Serrated handles - Tips: very fine, curved, superior finish. OAL: 120mm





# Flat Tip Tweezers

### Anti-Acid/Anti-Mag SS (SA)



33A.SA

Serrated handles - Tips: smooth and flat surface, superior finish. OAL: 115mm



35A.SA

Serrated handles - Tips: smooth and flat surface, superior finish. OAL: 120mm



**34A.SA** 

Serrated handles - Tips: smooth and flat surface, superior finish. OAL: 120mm



36A.SA

Serrated handles - Tips: smooth and flat surface, superior finish. OAL: 120mm





# **High Precision Cutting Tweezers**

### **Carbon Steel (C)**

### Stainless Steel (S)

### Anti-Acid/Anti-Mag SS (SA)



#### 14AGW.C

Tips: cutting, predominantly angled blades, superior finish. OAL: 115mm



#### **15AFW.C**

Tips: cutting, parallel blades, superior finish. OAL: 115mm



#### 15AGHM.SA

Tips: cutting, Tungsten carbide insert, parallel blades, superior finish. OAL: 115mm



Tips: cutting, predominantly angled blades, superior finish. OAL: 115mm



#### 15A.C

Tips: cutting, angled blades, superior finish. OAL: 120mm



#### 15AGW.C

Tips: cutting, predominantly angled blades, superior finish. OAL: 115mm



#### 15AP.C

Tips: cutting, parallel blades, superior finish.

OAL: 120mm



Tips: cutting, predominantly angled blades, superior finish. OAL: 110mm





## **Mini Tweezers**

### Anti-Acid/Anti-Mag SS (SA)



M00D.SA

Serrated handles - Tips: straight, sharp, fine, line serrated. OAL: 90mm



M2A.SA

Tips: straight, rounded, flat. OAL: 70mm



M5.SA

Tips: straight, extra fine. OAL: 80mm



M2.SA

Tips: straight, flat, sharp, fine. OAL: 90mm



M3.SA

Tips: straight, sharp, fine. OAL: 70mm





# **Premium Economy Tweezers**

### Anti-Acid/Anti-Mag SS (SA)



00.SA.6

Tips: straight, strong, thick. OAL: 120mm



0C9.SA.6

Tips: straight, fine. OAL: 90mm



2.SA.6

Tips: straight, sharp, fine. OAL: 120mm



3.SA.6

Tips: straight, very sharp, fine. OAL: 120mm



Tips: straight, extra fine. OAL: 110mm



00D.SA.6

Serrated handles - tips: straight, strong, thick, line serrated. OAL: 120mm



1.SA.6

Tips: straight, fine. OAL: 120mm



2A.SA.6

Tips: straight, flat, round. OAL: 120mm



#### 3C.SA.6

Tips: straight, sharp, fine. OAL: 110mm



5.SA.6

Tips: straight, extra fine. OAL: 110mm





# **Premium Economy Tweezers**

### Anti-Acid/Anti-Mag SS (SA)



5A.SA.6

Tips: straight, extra fine. OAL: 115mm



7.SA.6

Tips: very fine, curved. OAL: 120mm



7B.SA.6

Tips: very fine, curved, line serrated, superior finish.

OAL: 120mm



SS.SA.6

Tips: fine, sharp. OAL: 140mm



MM.S.6

Tips: straight, thick, strong, pointed. OAL: 125mm



6.SA.6

Tips: angled, flat, fine. OAL: 120mm



7A.SA.6

Tips: very fine, curved. OAL: 120mm



#### AC.SA.6

Tips: straight, strong. OAL: 110mm



MM.SA.6

Tips: straight, thick, strong, pointed. OAL: 125mm





# **Economy Tweezers**

### Anti-Acid/Anti-Mag SS (SA)



00.SA.B

Tips: straight, strong, thick. OAL: 120mm



2.SA.B

Tips: straight, sharp, fine. OAL: 120mm



3.SA.B

Tips: straight, very sharp, fine. OAL: 120mm



4.SA.B

Tips: straight, fine. OAL: 110mm



1.SA.B

Tips: straight, fine. OAL: 125mm



2A.SA.B

Tips: straight, flat, round. OAL: 120mm



3C.SA.B

Tips: straight, very sharp, fine. OAL: 110mm



5.SA.B

Tips: straight, fine, sharp. OAL: 110mm





# **Economy Tweezers**

### Anti-Acid/Anti-Mag SS (SA)



5A.SA.B Tips: straight, extra fine, sharp. OAL: 120mm



7.SA.B Tips: fine, curved. OAL: 120mm



AA.SA.B Tips: straight, sharp, fine. OAL: 130mm



MM.SA.B Tips: straight, thick, strong, pointed. OAL: 125mm



K5-ECO.SA Kit of 5: 00, 2A, 3C, 5, 7.



6.SA.B Tips: angled, flat, fine. OAL: 120mm



7A.SA.B Tips: fine, curved. OAL: 120mm



AC.SA.B Serrated handles - Tips: straight, strong. OAL: 110mm



Tips: straight, fine, sharp. OAL: 140mm





# **ESD Rubber Grip Tweezers**

### Anti-Acid/Anti-Mag SS (SA) - ESD RUBBER (DR)

### Carbon Steel (C) - ESD RUBBER (DR)



00.SA.DR

Tips: straight, strong, thick. OAL: 120mm



2AB.SA.DR

Tips: flat, round, curved. OAL: 120mm



#### 3C.SA.DR

Tips: straight, sharp, fine. OAL: 110mm



#### 5.SA.DR

Tips: straight, extra fine. OAL: 110mm



#### 2A.SA.DR

Tips: straight, flat, round. OAL: 125mm



#### 3.SA.DR

Tips: straight, very sharp, fine. OAL: 125mm



#### 4.SA.DR

Tips: straight, extra fine. OAL: 110mm



#### 5A.SA.DR

Tips: straight, extra fine. OAL: 115mm





# **ESD Rubber Grip Tweezers**

### Anti-Acid/Anti-Mag SS (SA) - ESD RUBBER (DR)

### Carbon Steel (C) - ESD RUBBER (DR)



5C.SA.DR

Tips: curved, bent, ultra fine. OAL: 115mm



7.SA.DR

Tips: very fine, curved. OAL: 120mm



14AGW.C.DR

Tips: cutting, predominantly angled blades. OAL: 115mm



15AGW.C.DR

Tips: cutting, predominantly angled blades. OAL: 115mm



51S.SA.DR

Tips: bent, extra fine. OAL: 115mm



#### 14A.C.DR

Tips: cutting, predominantly angled blades. OAL: 115mm



#### 15A.C.DR

Tips: cutting, angled blades. OAL: 120mm



#### AA.SA.DR

Tips: sharp, fine. OAL: 130mm





# **ESD Foam Grip Tweezers**

### Anti-Acid/Anti-Mag SS (SA) - ESD FOAM (DN)

### Carbon Steel (C) - ESD FOAM (DN)



00.SA.DN

Tips: straight, strong, thick. OAL: 120mm



3.SA.DN

Tips: straight, very sharp, fine. OAL: 120mm



5.SA.DN

Tips: straight, fine, sharp. OAL: 110mm



15AGW.C.DN

Tips: cutting. OAL: 115mm



#### 2A.SA.DN

Tips: straight, flat, round. OAL: 125mm



#### 3C.SA.DN

Tips: straight, very sharp, fine. OAL: 110mm



#### 7.SA.DN

Tips: fine, curved. OAL: 120mm



AA.SA.DN

Tips: sharp, fine. OAL: 130mm





# **ESD Epoxy Tweezers**

### Anti-Acid/Anti-Mag SS (SA) - ESD EPOXY (NE)



**00.SA.NE** 

Tips: straight, strong, thick. OAL: 120mm



2A.SA.NE

Tips: straight, flat, round. OAL: 125mm



3C.SA.NE

Tips: straight, very sharp, fine. OAL: 110mm



5.SA.NE

Tips: straight, fine, sharp. OAL: 110mm



#### 1.SA.NE

Tips: straight, fine. OAL: 125mm



#### 3.SA.NE

Tips: straight, very sharp, fine. OAL: 120mm



#### 4.SA.NE

Tips: straight, fine. OAL: 110mm



7.SA.NE

Tips: fine, curved. OAL: 120mm





# **ESD Epoxy Tweezers**

### Anti-Acid/Anti-Mag SS (SA) - ESD EPOXY (NE)



7A.SA.NE

Tips: fine, curved. OAL: 120mm



AA.SA.NE

Tips: straight, sharp, fine. OAL: 125mm



K4F.SA.NE

Kit of 4: SM103, SM108, 3, 7A



K6F.SA.NE

Kit of 6: SM103, SM108, 5, 7A, 3C, 3.



775.SA.NE

Tips: bent, fine. OAL: 155mm



K3.SA.NE

Kit of 3: 775, SM103, SM104



K5F.SA.NE

Kit of 5: SM103, SM108, 3, 5, 7A.





# **ESD Epoxy Cutting Tweezers**

Carbon Steel (C) - ESD EPOXY (NE)

Anti-Acid/Anti-Mag SS (SA) - ESD EPOXY (NE)



14AGW.C.NE

Tips: cutting, predominantly angled blades. OAL: 115mm



15AGW.C.NE

Tips: cutting. OAL: 115mm



15ARW.C.NE

Tips: cutting, predominantly angled blades. OAL: 115mm



15A.C.NE

Tips: cutting. OAL: 120mm



### 15AGHM.SA.NE

Tips: cutting, Tungsten carbide insert, parallel blades.

OAL: 115mm



#### 54MW.C.N

Tips: cutting, predominantly angled blades, superior

finish. OAL: 115mm, ESD safe



# **ESD Epoxy SMD Tweezers**

### Anti-Acid/Anti-Mag SS (SA) - ESD EPOXY (NE)



SM103.SA.NE

Tips: handling, positioning at 45° angle. OAL: 115mm



SM108.SA.NE

Tips: positioning, soldering 1mm wide components,

straight. OAL: 120mm



SM104.SA.NE

Tips: handling, positioning sot packages, monolithic chip capacitors, straight. OAL: 120mm





### **SMD** Tweezers

### Anti-Acid/Anti-Mag SS (SA)



SM103.SA

Tips: handling, positioning at 45° angle. OAL: 115mm



#### SM107.SA

Tips: positioning flat devices, double bent. OAL: 120mm



#### **SM111.SA**

Tips: positioning 5mm monolithic chip capacitors, grooved. OAL: 115mm



Kit of 5: SM103, SM107, SM108, SM111, SM115.



#### SM104.SA

Tips: handling, positioning sot packages, monolithic chip capacitors, straight. OAL: 120mm



#### SM108.SA

Tips: positioning, soldering 1mm wide components, straight. OAL: 120mm



#### SM115.SA

Tips: holding, positioning 1mm cylindrical devices, grooved at 30° angle. OAL: 115mm





### **Reverse Action Tweezers**

### Anti-Acid/Anti-Mag SS (SA)



**2AX.SA**Tips: straight, flat, round. OAL: 120mm



**4X.SA**Tips: straight, extra fine. OAL: 105mm



**5TTHX.SA**Tips: anti capillary, extra fine, superior finish. OAL: 110mm



**7X.SA**Tips: very fine, curved. OAL: 115mm



**3X.SA**Tips: straight, extra fine. OAL: 120mm



**5AX.SA**Tips: straight, extra fine. OAL: 110mm



**5X.SA**Tips: straight, extra fine. OAL: 110mm



**K5PINX** Kit of 5: 2AX, 3X, 5X, 5AX, 7X





## Plastic Replaceable Tip Tweezers

Anti-Acid/Anti-Mag SS (SA) - CARBON FIBER (CF)

Anti-Acid/Anti-Mag SS (SA) - CARBON PEEK (CP)

Anti-Acid/Anti-Mag SS (SA) - HIGH TECH PLASTIC (CO)



00CFR.SA

Tips: straight, flat edges, strong, thick. OAL: 130mm

Replacement tip set. OAL: 40mm. ESD safe



2ACFR.SA - 2ACPR.SA - 2ACOR.SA

Tips: straight, flat, round. OAL: 130mm

A2ACF - A2ACP - A2ACO

Replacement tip set. OAL: 40mm. ESD safe



2WFCPR.SA - 2WFCOR.SA

Tips: handling 2", fine, round, strong top fingers, stepped

bottom paddle. OAL: 130mm. ESD safe

A2WFCP - A2WFCO Replacement tip set. OAL: 40mm



5CFR.SA - 5CPR.SA - 5COR.SA

Tips: straight, very fine. OAL: 130mm

A5CF - A5CP - A5CO

Replacement tip set. OAL: 40mm. ESD safe



2ABCFR.SA - 2ABCPR.SA - 2ABCOR.SA

Tips: curved. flat. round. OAL: 130mm

A2ABCF - A2ABCP - A2ABCO

Replacement tip set. OAL: 40mm. ESD safe

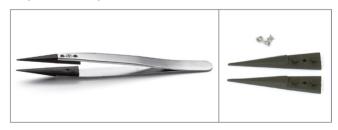


2AXCFR.SA - 2AXCPR.SA - 2AXCOR.SA

Tips: straight, flat, round. OAL: 125mm. Reverse action

A2ACF - A2ACP - A2ACO

Replacement tip set. OAL: 40mm. ESD safe



3CFR.SA - 3CPR.SA - 3COR.SA

Tips: straight, sharp, pointed. OAL: 130mm

A3CF - A3CP - A3CO

Replacement tip set. OAL: 40mm. ESD safe



5XCFR.SA - 5XCPR.SA - 5XCOR.SA

Tips: straight, very fine. OAL: 125mm. Reverse action

**A5CF - A5CP - A5CO** 

Replacement tip set. OAL: 40mm. ESD safe





## Plastic Replaceable Tip Tweezers

Anti-Acid/Anti-Mag SS (SA) - CARBON FIBER (CF)

Anti-Acid/Anti-Mag SS (SA) - CARBON PEEK (CP)

Anti-Acid/Anti-Mag SS (SA) - HIGH TECH PLASTIC (CO)



**7CFR.SA - 7CPR.SA - 7COR.SA**Tips: curved, very fine. OAL: 130mm **A7CF - A7CP - A7CO** 

Replacement tip set. OAL: 40mm. ESD safe



**249CFR.SA - 249CPR.SA - 249COR.SA**Tips: straight, strong, thick. OAL: 130mm **A249CF - A249CP - A249CO** 

Replacement tip set. OAL: 40mm. ESD safe



4WFCPR.SA - 4WFCOR.SA

Tips: handling 4", flat round, stepped bottom paddle.

OAL: 130mm

A4WFCP - A4WFCO

Replacement tip set. OAL: 40mm. ESD safe



242CFR.SA - 242CPR.SA - 242COR.SA Tips: straight, narrow, flat, round. OAL: 130mm A242CF - A242CP - A242CO

Replacement tip set. OAL: 40mm. ESD safe



259CFR.SA - 259CPR.SA - 259COR.SA
Tips: straight, strong, pointed. OAL: 130mm
A259CF - A259CP - A259CO
Replacement tip set. OAL: 40mm. ESD safe





# Ceramic Replaceable Tip Tweezers

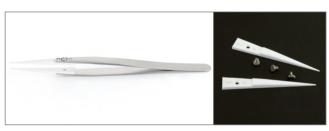
### Anti-Acid/Anti-Mag SS (SA) - WHITE CERAMIC (MZ)



2AMZ.SA

Tips: straight, flat, round, superior finish. OAL: 140mm **A2AMZ** 

Replacement tip set. OAL: 50mm



71MZ.SA

Tips: straight, thin, fine, superior finish. OAL: 135mm **A71MZ** 

Replacement tip set. OAL: 45mm



**73MZ.SA** 

Tips: straight, fine, pointed, superior finish. OAL: 140mm

A73MZ

Replacement tip set. OAL: 50mm



7MZ.SA

Tips: fine, curved, superior finish. OAL: 130mm

A7MZ

Replacement tip set. OAL: 40mm



72MZ.SA

Tips: straight, strong, pointed, superior finish. OAL: 135mm

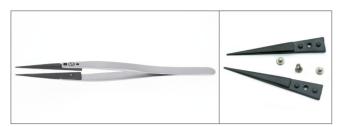
A72MZ Replacement tip set. OAL: 45mm





## ESD Ceramic Replaceable Tip Tweezers

### Anti-Acid/Anti-Mag SS (SA) - ESD BLACK CERAMIC (ZJ)



**71ZJ.SA** 

Tips: straight, thin, fine, superior finish. OAL: 135mm A71ZJ

Replacement tip set. OAL: 45mm. ESD safe



73ZJ.SA

Tips: straight, thin, fine, superior finish. OAL: 135mm

Replacement tip set. OAL: 45mm. ESD safe

### **Full Ceramic Tweezers**

### **CERAMIC**



#### 8501F

Full Ceramic tweezer - Tips: straight. OAL: 125 mm



#### 8501

Full Ceramic tweezer - Tips: straight, squared, flat, serrated. OAL: 125 mm



#### **72ZJ.SA**

Tips: straight, strong, pointed, superior finish.

OAL: 135mm **A72ZJ** 

Replacement tip set. OAL: 45mm. ESD safe



#### 7ZJ.SA

Tips: straight, strong, pointed, superior finish.

OAL: 135mm

A7ZJ

Replacement tip set. OAL: 45mm. ESD safe



#### 8501FGG

Full Ceramic tweezer - Tips: straight, fine, squared, flat. OAL: 125 mm



#### 8507

Full Ceramic tweezer - Tips: curved, squared, flat. OAL: 125 mm





### **Full Plastic Tweezers**

### **CARBON FIBER (CF)**

### **PVDF (SV)**



702A.CF - 702A.SV

Tips: straight, flat, round. OAL: 115 mm. ESD safe



707.CF - 707.SV

Tips: angled, pointed. OAL: 115 mm. ESD safe



709.CF - 709.SV

Tips: angled, squared, flat. OAL: 115 mm. ESD safe



705.CF - 705.SV

Tips: straight, fine, sharp. OAL: 115mm. ESD safe



707A.CF - 707A.SV

Tips: curved, angled, pointed. OAL: 115mm. ESD safe



710.CF - 710.SV

Tips: angled, squared, flat, trapezoidal shape. OAL: 115 mm. ESD safe





# ESD High Precision Ergo-Tek Cutters



E5130 - Micro Oval head, semi-flush. OAL: 120 mm E5131 - Micro Oval head, flush. OAL: 120 mm E5132 - Micro Oval head, full-flush. OAL: 120 mm



E5150 - Large Oval head, semi-flush. OAL: 125 mm E5151 - Large Oval head, flush. OAL: 125 mm E5152 - Large Oval head, full-flush. OAL: 125 mm



E5340 - Small Tapered head, semi-flush. OAL: 125 mm E5341 - Small Tapered head, flush. OAL: 125 mm E5342 - Small Tapered head, full-flush. OAL: 125 mm



E5540 - Small Tapered & Relieved head, semi-flush. OAL: 125 mm E5541 - Small Tapered & Relieved head, flush. OAL: 125 mm E5542 - Small Tapered & Relieved head, full-flush. OAL: 125 mm



E5140 - Small Oval head, semi-flush. OAL: 125 mm E5141 - Small Oval head, flush. OAL: 125 mm E5142 - Small Oval head, full-flush. OAL: 125 mm



E5160L - Extra Large Rounded Oval head, semi-flush. OAL: 130 mm E5161L - Extra Large Rounded Oval head, flush. OAL: 130 mm E5162L - Extra Large Rounded Oval head, full-flush. OAL: 130 mm



E5350 - Large Tapered head, semi-flush. OAL: 125 mm E5351 - Large Tapered head, flush. OAL: 125 mm E5352 - Large Tapered head, full-flush. OAL: 125 mm



E5550 - Large Tapered & Relieved head, semi-flush. OAL: 125 mm E5551 - Large Tapered & Relieved head, flush. OAL: 125 mm E5552 - Large Tapered & Relieved head, full-flush. OAL: 125 mm





# ESD High Precision Ergo-Tek Cutters



**E5548** - Small Tapered & Super Relieved head, full-flush. OAL: 125 mm



E5233 - Micro tip 15°, full-flush. OAL: 135 mm



E5234 - Oblique Micro tip 15°, full-flush. OAL: 135 mm



E5245 - Oblique Narrow head, full-flush. OAL: 130 mm



E5246 - Small Oblique head, flush. OAL: 130 mm



E5247 - Oblique head, full-flush. OAL: 130 mm



**E5250** - Large Oblique head, full-flush. OAL: 130 mm



E5291 - Front Cutters, flush. OAL: 135 mm

BUREAU VERITAS Certification



# ESD High precision Ergo-tek Cutters. Tungsten carbide Tips



E141TX - Small Oval head, flush. OAL: 125 mm E142TX - Small Oval head, full-flush. OAL: 125 mm



E351TX - Large Tapered head, flush. OAL: 125 mm E352TX - Large Tapered head, full-flush. OAL: 125 mm



**E541TX** - Small Tapered & Relieved head, flush. OAL: 125 mm E542TX - Small Tapered & Relieved head, full-flush. OAL: 125 mm



E551TX - Large Tapered & Relieved head, flush. OAL: 125 mm E552TX - Small Tapered & Relieved head, full- flush. OAL: 125 mm



# ESD High Precision Ergo-Tek Pliers



**E6011** - Flat Nose, Smooth Jaws. OAL: 135 mm **E6012** - Flat Nose, Serrated Jaws. OAL: 135 mm



**E6013** - Long Flat Nose, Smooth Jaws. OAL: 145 mm **E6014** - Long Flat Nose, Serrated Jaws. OAL: 145 mm



**E6021** - Snipe Nose, Smooth Jaws. OAL: 135 mm **E6022** - Snipe Nose, Serrated Jaws. OAL: 135 mm



E6023 - Long Snipe Nose, Smooth Jaws. OAL: 145 mm
E6023S - Strong Snipe Nose, Smooth Jaws. OAL: 140 mm
E6024 - Long Snipe Nose, Serrated Jaws. OAL: 145 mm
E6024S - Strong Snipe Nose, Serrated Jaws. OAL: 140 mm



E6023B - Bent Nose, Smooth Jaws. OAL: 145 mm



E6025 - Needle Nose, Smooth Jaws. OAL: 145 mm



E6041 - Round Nose, Smooth Jaws. OAL: 140 mm





# ESD High Precision Ergo-Tek Slim Cutters



ES5130 - Micro Oval head, semi-flush. OAL: 120 mm ES5131 - Micro Oval head, flush. OAL: 120 mm ES5132 - Micro Oval head, full-flush. OAL: 120 mm



ES5150 - Large Oval head, semi-flush. OAL: 125 mm ES5151 - Large Oval head, flush. OAL: 125 mm ES5152 - Large Oval head, full-flush. OAL: 125 mm



ES5340 - Small Tapered head, semi-flush. OAL: 125 mm ES5341 - Small Tapered head, flush. OAL: 125 mm ES5342 - Small Tapered head, full-flush. OAL: 125 mm



ES5540 - Small Tapered & Relieved head, semi-flush. OAL: 125 mm ES5541 - Small Tapered & Relieved head, flush. OAL: 125 mm ES5542 - Small Tapered & Relieved head, full-flush. OAL: 125 mm



ES5140 - Small Oval head, semi-flush. OAL: 125 mm ES5141 - Small Oval head, flush. OAL: 125 mm ES5142 - Small Oval head, full-flush. OAL: 125 mm



ES5160L - Extra Large Rounded Oval head, semi-flush. OAL: 130 mm ES5161L - Extra Large Rounded Oval head, flush. OAL: 130 mm ES5162L - Extra Large Rounded Oval head, full-flush. OAL: 130 mm



ES5350 - Large Tapered head, semi-flush. OAL: 125 mm ES5351 - Large Tapered head, flush. OAL: 125 mm ES5352 - Large Tapered head, full-flush. OAL: 125 mm



ES5550 - Large Tapered & Relieved head, semi-flush. OAL: 125 mm ES5551 - Large Tapered & Relieved head, flush. OAL: 125 mm ES5552 - Large Tapered & Relieved head, full-flush. OAL: 125 mm





# ESD High Precision Ergo-Tek Slim Cutters



**ES5548** - Small Tapered & Super Relieved head, full-flush. OAL: 125 mm



ES5233 - Micro tip 15°, full-flush. OAL: 135 mm



ES5234 - Oblique Micro tip 15°, full-flush. OAL: 135 mm



ES5245 - Oblique Narrow head, full-flush. OAL: 130 mm



ES5246 - Small Oblique head, flush. OAL: 130 mm



ES5247 - Oblique head, full-flush. OAL: 130 mm



ES5250 - Large Oblique head, full-flush. OAL: 130 mm



ES5291 - Front Cutters, flush. OAL: 135 mm



# ESD High Precision Ergo-Tek Slim Cutters. Tungsten carbide Tips



ES141TX - Small Oval head, flush. OAL: 125 mm ES142TX - Small Oval head, full-flush. OAL: 125 mm



ES351TX - Large Tapered head, flush. OAL: 125 mm ES352TX - Large Tapered head, full-flush. OAL: 125 mm



ES541TX - Small Tapered & Relieved head, flush. OAL: 125 mm **ES542TX** - Small Tapered & Relieved head, full-flush. OAL: 125 mm



ES551TX - Large Tapered & Relieved head, flush. OAL: 125 mm ES552TX - Small Tapered & Relieved head, full- flush. OAL: 125 mm





## ESD High Precision Ergo-Tek Slim Pliers



ES6011 - Flat Nose, Smooth Jaws. OAL: 135 mm ES6012 - Flat Nose, Serrated Jaws. OAL: 135 mm



ES6013 - Long Flat Nose, Smooth Jaws. OAL: 145 mm ES6014 - Long Flat Nose, Serrated Jaws. OAL: 145 mm



ES6021 - Snipe Nose, Smooth Jaws. OAL: 135 mm ES6022 - Snipe Nose, Serrated Jaws. OAL: 135 mm



ES6023 - Long Snipe Nose, Smooth Jaws. OAL: 145 mm ES6023S - Strong Snipe Nose, Smooth Jaws. OAL: 140 mm ES6024 - Long Snipe Nose, Serrated Jaws. OAL: 145 mm ES6024S - Strong Snipe Nose, Serrated Jaws. OAL: 140 mm



ES6023B - Bent Nose, Smooth Jaws. OAL: 145 mm



ES6025 - Needle Nose, Smooth Jaws. OAL: 145 mm

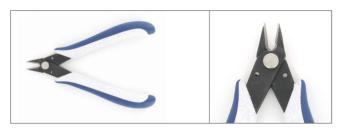


ES6041 - Round Nose, Smooth Jaws. OAL: 140 mm

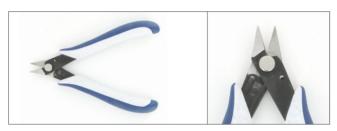




# ESD Ergo-tek Micro-Shear Cutters



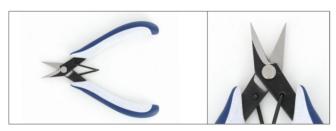
EX410 - Micro-Shear Flush Cutter. OAL: 127 mm



EX440 - Mini-Scissor. OAL: 130 mm



EX2193 - Hard Wire Cutter. OAL: 140 mm



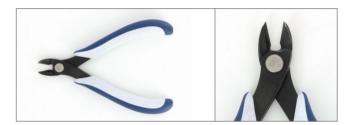
EX9180 - Kevlar Scissors. OAL: 150 mm



EXLX- Micro-Shear Flush Cutter - Polished. OAL: 127 mm



EX420 - Angled Micro-Shear Flush Cutter. OAL: 125 mm



EX2175 - Maxi-Shear Flush Cutter. OAL: 150 mm



EX9100 - Oval Head Micro-Shear Flush Cutter. OAL:135 mm



EX9200 - Tapered Head Micro-Shear Flush Cutter. OAL: 135 mm

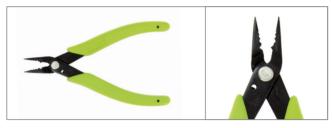




## Micro-Shear Cutters



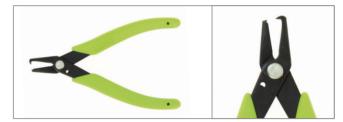
501AS - Adjustable Wire Stripper & Cutter. OAL: 150 mm. ESD safe



**494** - Jewellery four in one Crimper. Chain nose pliers. OAL: 135 mm



**505AS** - Adjustable Wire Stripper/Cutter (solid wire). OAL:150 mm. ESD safe



496 - Jewellery split ring pliers. OAL: 135 mm



### **ESD Precision Pliers**



241BLM - Snipe Nose Head, Smooth Jaws. OAL: 115mm



241ABLM - Tapered Snipe Nose Head, Smooth Jaws. OAL: 115mm



237BLM - Snipe/Flat Head, Smooth Jaws. OAL: 130mm



**235BLM** - Chain Nose Head, Smooth Jaws. OAL: 130mm **235M** - Chain Nose Head, Serrated Jaws. OAL: 130mm



231BLM - Flat Nose Head, Smooth Jaws. OAL: 130mm 231M - Flat Nose Head, Serrated Jaws. OAL: 130mm



239BLM - Flat Nose Head, Smooth Jaws. OAL: 115mm



**232BLM** - Tapered flat Nose Head, Smooth Jaws. OAL: 130mm **232M** - Tapered flat Nose Head, Serrated Jaws. OAL: 130mm



**234BLM** - Flat Nose Head, Smooth Jaws. OAL: 130mm **234M** - Round Nose Head, Serrated Jaws. OAL: 130mm





## **ESD Precision Pliers**



240BLM - Round Nose Head, Smooth Jaws. OAL: 115mm



236BLM - Round/Flat Head, Smooth Jaws. OAL: 130mm



238BLM - Round/Concave Head, Smooth Jaws. OAL: 130mm



## **High Precision Scissors**

### **INOX**



**361S** Extra fine, straight blade. Miniature work. OAL: 90mm



361 Extra fine, curved blade. Miniature work. OAL: 90mm



363 Round, curved blade. Heavy-duty miniature work. OAL: 90mm



Round Tips, curved blade. Heavy-duty miniature work. OAL: 90mm



**362S** Extra fine, straight blade. Precision cutting. OAL: 90mm



Extra fine, curved blade. Precision cutting. OAL: 90mm



Extra fine, curved blade. Heavy-duty precision miniature work. OAL: 90mm





## Printed Circuit Board Holders and Spare Parts



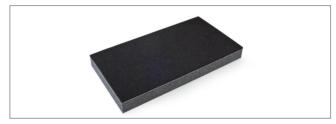
PCSA-1 Printed circuit holder PCSA-1 ESD Foam. 280mmx220mm



PCSA-2 Printed circuit holder PCSA-2 ESD Foam. 510mmx220mm



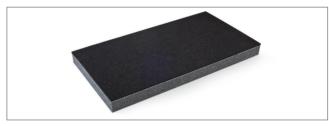
Printed circuit holder PCSA-4 ESD Foam. 510mmx350mm



**PCSA-1.2** Replacement foam for PCSA-1 ESD



**PCSA-2.2** Replacement foam for PCSA-2 ESD



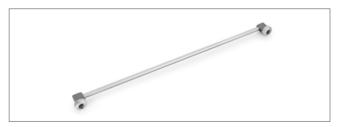
PCSA-4.2 Replacement foam for PCSA-4 ESD



**AC-PCSA** Bush/Knob/Screw PCSA



**BS-PCSS-1** Sliding rail for PCSA-1



BS-PCSS-2-4 Sliding rail for PCSA-2-4



**BS-PCSS-NBS** Slide block





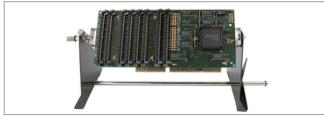
# Printed Circuit Board Holders and Spare Parts



**IN-PCSS** Cover support for PCSA



**MO-BS-PCSS** Spring for sliding rail



PC-40 PCB desk adj.repair stand PC-40



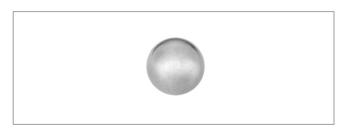
**PR-PCSS** Rotation knob PCSA



**RIC-PCSA-N1** Hinge



**SC-PCSS** Cover clip lever PCSA



SF-BS-PCSS Sphere 5mm for sliding rail



**SR-PCSA** Bush x PCSA



**SR-PCSS** Rotation bush PCSA





## **Testers**



**ST-5C**Smart tweezers ST-5C



**ST-5S-BT2**Smart tweezers with Bluetooth for Android and iOS



**ST5-IT-TB**Smart Tweezers standard bent Tips (1 pair)



**ST5-IT-T**Smart Tweezers standard Tips (1 pair)



**ST-5S**Smart tweezers ST-5S



**ST-LED**Smart tweezers Led Tester



**ST5-IT-TSHP**Smart Tweezers high precision sharp Tips (1 pair)





## **ESD Plastic Probes and Spatulas**

### **Carbon PEEK (CP)**

### **Conductive Larton (LC)**



### MPT1RCP - MPT1RLC

Rounded body - Fine tip cone-shaped and flat strong tip chisel-shape. OAL: 150mm. ESD safe



### MPT3CP - MPT3LC

Squared body - Flat fine sharp tip and flat large fine tip chisel-shape both. OAL: 140mm. ESD safe



### MPT2CP - MPT2LC

Squared body - Curved fine tip and flat strong tip chiselshape. OAL: 150mm. ESD safe



MPT123CP - MPT123LC

Kit of 3: MPT1R, MPT2, MPT3. OAL: 150mm . ESD safe





## Stainless Steel Probes and Spatulas

### **STAINLESS STEEL**



MPTSP1

Straight needle tip. OAL: 160mm



MPTSP3

Single bend tip. OAL: 150mm



MPTSP5

Triple bend tip. OAL: 150mm



**K4MPTSP** 

Kit of 4: MPTSP1, MPTSP2, MPTSP3, MPTSP4.



MPTSP2

Angled needle tip. OAL: 155mm



MPTSP4

Hook tip. OAL: 150mm



### MPTSP6

Flat tip. OAL: 155mm



**K6MPTSP** 

Kit of 6: MPTSP1, MPTSP2, MPTSP3, MPTSP4, MPTSP5, MPTSP6.





## Stainless Steel Probes and Spatulas

### STAINLESS STEEL



### MPTSS1

Pointed tip arrow-shaped and flat long curved with a rounded tip. OAL: 180mm



### MPTSS3

Short and flat with squared tip and long flat with rounded tip. OAL: 165mm



### **K4MPTSS**

Kit of 4: MPTSS1, MPTSS2, MPTSS3, MPTSS4.



### MPTSS2

Short rounded drop-shaped and large flat squared tip. OAL: 175mm



### MPTSS4

Long curved pointed tip with arrow-shaped and long curved with rounded tip. OAL: 180mm





# Bonpen



**BON-102/5** 

Refillable flux pen, thin brush. Box of 5. ESD safe



BON-102B/5

Refillable flux pen, thin felt. Box of 5. ESD safe



**BON-102F/5** 

Refillable flux pen, flat felt. Box of 5. ESD safe



### **BON-102S/5**

Refillable flux pen, ultrafine brush. Box of 5. ESD safe



**BON-102A** 

BONKOTE 7 Pens set (102/B/D/F/K/S/T). ESD safe



### BON-102D/5

Refillable flux pen, flat brush. Box of 5. ESD safe



### BON-102K/5

Refillable flux pen,knife felt. Box of 5.ESD safe



### **BON-102T/5**

Refillable flux pen, thick brush. Box of 5. ESD safe





### Bonpen



BR-102/5

Cap & brush for BON-102-Thin brush. Box of 5. ESD safe



BR-102D/5

Cap & brush for BON-102D-Flat brush. Box of 5. ESD safe



BR-102K/5

Cap & brush for BON-102K-Knife felt. Box of 5. ESD safe



BR-102T/5

Cap & brush for BON-102T-ThickBrush. Box of 5. ESD safe



BR-102B/5

Cap & brush for BON-102B-Thin felt. Box of 5. ESD safe



BR-102F/5

Cap & brush for BON-102F-Flat felt. Box of 5. ESD safe



BR-102S/5

Cap & brush for BON-102S ultrafine. Box of 5. ESD safe



CA-102/5

Bon-Pen Empty Cartridge. Box of 5. ESD safe





## **Oilers**



BLACKESD
Black oiler 0,008"/0,2mm ESD



**GREENESD**Green oiler 0,022"/0,5mm ESD



**BRBGESD**Kit of 4 ESD colored oilers



**BLUEESD**Blue oiler 0,014"/0,3mm ESD



REDESD Red oiler 0,025"/0,7mm ESD





# Solvent Dispenser



**TSD12** Fluid dispenser 120cc, ESD safe



**TSD12B** Fluid dispenser 120cc blue, ESD safe



TSD18 Fluid dispenser 180cc, ESD safe



**TSD12AS**Fluid dispenser 120cc anti-splash, ESD safe



**TSD12BAS**Fluid disp. 120cc anti-splash blue, ESD safe



**TSD18AS**Fluid dispenser 180cc anti-splash, ESD safe



## Vacuum Pump



### UVO0000000

ESD Vacuum tool. To pick-up SMD components. Vacuum tool set including: Vampire, conductive metal straight needle, 45° angled metal needle, conductive rubber cup 4mm, conductive rubbercup 6mm, conductive rubber cup 9 mm, lubricant kit



### UVO000300

ESD Vacuum tool replacement set for Vampire Classic: ESD 4 mm cups, ESD 6 mm cups, ESD 9 mm cups



### UVO0000620

Spare ESD 6 mm cups for Vampire Classic



### UVO0000810

Straight needle with ESD 4 mm cup for Vampire Classic



### UVO0000100

ESD Vacuum tool replacement set for Vampire Classic: straight conductive metal needle, 45° angled conductive metal needle, conductive rubber cup 4mm, conductive rubber cup 9mm



### UVO0000610

Spare ESD 4 mm cups for Vampire Classic



### UVO000630

Spare ESD 9 mm cups for Vampire Classic



### UVO0000820

Straight needle with ESD 6 mm cup for Vampire Classic





# Vacuum Pump



UVO0000830

Straight needle with ESD 9 mm cup for Vampire Classic



UVO0000920

45° needle with ESD 6 mm cup for Vampire Classic



### UVO0000910

45° needle with ESD 4 mm cup for Vampire Classic



UVO0000930

45° needle with ESD 9 mm cup for Vampire Classic





# Loupes



802-01 Loupe - 10X with mm scale



818-01 Loupe - 8X with mm scale



**LE-003-02**Loupe - 10X, 8 white LED, with mm scale nr.2



M12102 Loupe - 10X, 3 lens, scale mm/inch



**812-01** Loupe - 8X



LE-003 Loupe - 10X, 8 white LED, with mm scale



M12071 Loupe - 7X, 4 lens, scale mm/inch





## Scalpels and Blades



Handle only



**7 SM** Handle only



Handle only



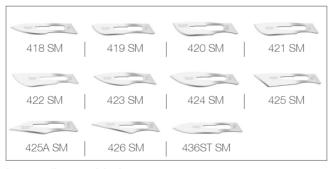
Handle only (acrylic handle)



**Small fitment blades** For handles 3, 5A SM, 7 SM



6A SM Handle only (acrylic handle)



Larger fitment blades For handles 4, 6A SM

## SMOR II Trimming Knife, retractable handle



**4307SMOR SM** SMOR II handle with 2x SM01 blades



**Blades** For handle 4307SMOR SM





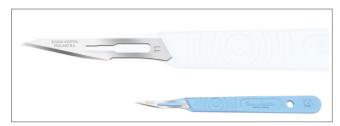


## Trimaway & Retractaway



2331 SM

Plastic Handle with 310 SM blade



2333 SM

Plastic Handle with 311 SM blade



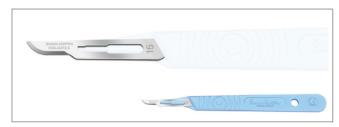
2338 SM

Plastic Handle with 25A blade



2332 SM

Plastic Handle with 310A SM blade



2335 SM

Plastic Handle with 315 SM blade



2339 SM

Handle with 5x blades 310A SM

## Industrial Trimming knives | Pro-fold



4313 SM

Fixed trimming knife with 3x SM92 SM blades



**PRO-FOLD** 

Trimming knife with 1x SM92 SM blade Blade material: Carbon



### **Blades**

For handle 4313 SM



**PRO-FOLD** 

In closed position





### **ACM Craft Knives**



The ACM Boxed Set is a comprehensive set of 13 precision ground carbon steel blades, and 3 handles.

With easy blade changing, the 10 blade shapes offer cutting edge versatility all from one set. Blades and handles are available on an individual basis.

ACM tool set contains:

Handles: no. 1, no. 2, no. 5

Blades for handle no. 1: ACM7 SM, ACM10 SM, ACM11 SM (3 pcs), ACM16 SM, ACM17 SM Blades for handle no.2 and no.5: ACM2 SM (2 pcs), ACM18 SM, ACM22 SM, ACM24 SM, ACM28 SM

#### **ACM Boxed Set**



**ACMH1 SM** 

Scalpel Handle 1 with ACM11 SM blade



ACMH5 SM

Scalpel Handle 5 with ACM28 SM blade



### **Blades**

For handle no. 1



### **Blades**

For handle no. 5

## **Utility Blade**



### IND001A

Single edge steel back/spine blade. Fits KNIP126 single edge scraper handle. Material: carbon

Length: 39 mm, width: 20 mm, thickness: 0.3 mm



### KNIP126 - Single edge scraper

Metal single edge scraper handle with 5x IND001A blades. Designed to accommodate IND001A. Easy slide retractable action for blade change.







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