Precision Tweezers

Selection Guide

AVEN® | *Tools for Advancing Innovation™*

Precision Tweezers

Titanium Blue

- Titanium Oxide PVD(Physical Vapor Deposition) bond
- Scratch and Corrosion Resistant Designed for Laboratory & Microscopy

NEW

E-Z Grip Serrated

- 304 Stainless Steel: Anti Acid, Anti-Magnetic
- Unique Diamond Pattern Grip is designed for comfort and control
- They feature unique micro-serrated tips

NEW

E-Z Grip Black

- Crafted from anti-magnetic & anti-acid 304 stainless steel
- Unique Diamond Pattern Grip
- Physical Vapor Deposition (PVD) process, which fuses a virtually chip resistant bond to the surface

NEW

BLU-TEK

Designed for Laboratory & Microscopy

Blu-Tek tweezers were designed for industrial and laboratory use. The attractive blue finish is a result of a Titanium Nitride PVD infusion method, giving the tweezers the strength, durability, and scratch & corrosion resistance of titanium. These infusions can reduce friction and provide a barrier against damage. The applications for these coatings are ever expanding. Aerospace, automotive, defense, manufacturing and more where long lasting durability is crucial. Blu-Tek tweezers feature precise tips designed to remain aligned throughout the life of the tweezers.

- Stainless Steel Titanium PVD Infusion Process
- Presses grip lines adds comfort and ease of use
- Scratch and corrosion resistant

Titanium

Designed for Precision Assembly

Titanium tweezers have been found to be excellent for use in the silicon chip industry, as titanium tweezers do not shed particles like the stainless steel tweezers. Anytime an abrasive substance is handled and microscopic particles are a detriment, it may be best to choose titanium. Since titanium is non-magnetic, these tweezers are extremely useful when handling magnetic materials or when working in a magnetic field. Titanium is both light weight and high strength material.

- Light Weight, Non-Magnetic
- ESD Safe
- Chemical and corrosion resistant

Technik™

Designed for Laboratory & Microscopy

Finely crafted tweezers. Anti-glare finish to reduce eye strain and hand finished points for accuracy. Recommended for micro electronics and precision assembly.

- Anti-Magnetic, Anti-Acid
- Stainless Steel
- Available in stainless steel and carbon steel

ARTIS

Designed for Laboratory & Microscopy

Aven's cutting edge design features a angled bend at the end of the tip, providing a softer overall grip with a large surface area that reduces hand fatigue, enhancing productivity. The durable tweezers are protected by an attractive ESD safe coating, and the highly polished stainless steel tips with rounded edges allow operators to handle very fine wire, miniature parts, electrical components, and other delicate materials in a confined space without risk of damage.

- Angled Bend: Reduces Hand Fatigue
- Stainless Steel
- ESD Safe

Precision Tweezers

E-Z Pik

Designed for Precision Assembly

E-Z Pik tweezers feature a highly durable special coating for high visibility and easy identification. Operators can quickly identify the tweezers they need for their particular operation and engineers can easily specify tweezers to be used for a particular process by identifying the color, rather than the pattern of tweezers. E-Z Pik tweezers will help improve productivity and process control.

- Color Coated to Easily Identify Tip Pattern
- Anti Acid
- Anti-Magnetic

Ceramic

Designed for Precision Assembly & Laboratory

High-quality solder and wear resistant tweezers, featuring contamination-free Zirconia ceramic tips, designed for use in high heat applications. Stainless steel handles provide excellent corrosion resistance and are highly resistant to all strong acids except hydrofluoric. The ceramic tips are six-times harder than stainless steel and twice as hard as carbon steel.

- Stainless Steel w/ Strong Ceramic Tips
- Highly resistant to all strong acids except hydrofluoric
- 100% non magnetic, non rusting and non static

Carbofib

Designed for Precision Assembly & Laboratory

These premium, ESD safe tweezers feature excellent wear and abrasion resistance. Ideal for handling sensitive materials such as electronic components, micro-mechanical parts, glass and ceramic substrates. These tweezers provide very high rigidity, excellent tensile and flexural strength and have good chemical resistance to oils, grease, fuels, and non-polar solvents.

- ESD Safe, Non-scratching Polyetheretherketone tips reinforced w/ Carbon Fiber
- Good chemical resistance to oils, grease, fuels, non polar solvents
- Very high rigidity, excellent tensile and flexural strength

Cutting

Designed to Cut Soft Metal Wires

Used for cutting hairsprings and electronic component wires. Blades are induction hardened for durability.

- Induction hardened for durability
- Anti-magnetic
- Anti-acid

Plastic

Designed for General Assembly Microscopy

Made of chemically resistant lightweight plastic, this anti-static tool will not damage sensitive electronic devices such as hard drives nor contaminate materials when used in corrosive environments

- Anti-static, anti-magnetic, chemically resistant
- Non-contaminating in corrosive environments
- Rigid tips will not spread under pressure

Comfort Grip

Designed for Precision Assembly

ESD safe cushion foam grips improve handling and reduce fatigue

- ESD Safe Cushioned Grips
- Stainless Steel

AVEN® | *Tools for Advancing Innovation™*

Tweezer Pattern Guide

Pattern	Description
AA	For general assembly, very strong and precise tips with fine finish
AC	Sturdy tips for bending and handling very fine wire (includes finger grips)
MM	General purpose tweezer
00	Flat edges, heavy duty strong blades tapering to a regular strong point
00C	Flat edges, strong blades tapering to a regular strong point
00D	Flat edges, strong blades tapering to a regular strong point with finger grips
0	Fine Straight Points for handling and positioning of miniature parts or fine wire
0A	Straight Points with radius edges, designed for dense areas
0C	Flat Edges, fine tips and short
SS	Extra long and narrow with extended reach to access confined areas
1	General Use, Strong Blades with Fine Point
2	Tapered sharp points for bending and handling small wire and parts
2A	Straight flat tips, provides large flat gripping surface
2AB	Curved flat tips provide a large flat gripping surface (Best flat tips)
3	Fine point tweezers for general assembly or light magnification applications

Pattern	Description
3CB	Fine point with bent tips
3F	Fine point tips touch over 3 mm for holding tiny wires
35A	Wafer handling tweezers
36	Angled broad tip with large paddle style tips
4	Blades taper sharply from body to a fine rounded point (for extra fine work)
5	Blades taper sharply from body to a super fine point (for extra fine work)
5A	Oblique fine points for greater visibility
5B	Super micro high precision bent tips provide maximum visibility
6	Angled Fine Tips for access to tight areas
65A	Long fine curved tips
66	Long double bent tips
7	Curved super fine points for assembly work
7B	Serrated, curved super fine points
15AGW	Cutting tweezers, used for fine wire or hairsprings
3C	Fine point tweezers, slightly shorter than #3

Tweezer Material

Stainless Steel

Perfectly balanced for a superior feel. Light weight with soft tension and accurately finished points. Recommended for work under high power magnification aerospace, micro electronics and in applications where high precision is required.
(Stainless steel does show some magnetism)

Titanium

Titanium tweezers are excellent for use in the silicon chip industry, as they do not shed particles like stainless steel. When it is determined that microscopic particles are a detriment when handling abrasive parts we recommend using titanium tweezers. In addition since titanium tweezers are 100% non magnetic, they are extremely useful when working with magnetic materials or when working in a magnetic field. Titanium is lightweight and a high strength material.

Stainless Steel W/ Titanium Nitride PVD Infusion

The attractive blue finish is a result of a Titanium Nitride PVD infusion method, giving the tweezers the strength, durability, and scratch & corrosion resistance of titanium. These coatings can reduce friction and provide a barrier against damage. The applications for these coatings are ever expanding such as Aerospace, automotive, defense, manufacturing and anywhere long lasting durability is crucial.

Carbofib

Fully ESD Safe (102 ohm) but at the same time, soft and non scratching. These conductive synthetic fiber tips are ideally suited to handle delicate and fragile components when extreme care and ESD safety are an absolute necessity. All tweezers are manually finished and tested for maximum precision. Chemical resistant and heat resistant up to 256ºC.

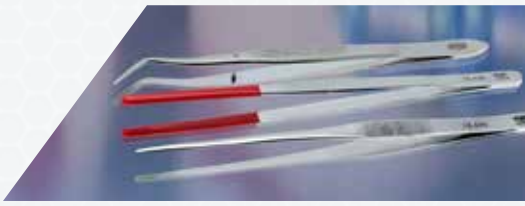
Stainless Steel W/ PVD

Fuses a virtually chip resistant bond to the surface.

Material	Tip Hardness	Magnetism	Corrosion Resistance
Titanium	Excellent	None	Excellent
Carbon Steel	Excellent	Yes	Low
Stainless Steel	Very Good	Some	Good
Stainless Steel, Anti-Magnetic, Anti-Acid	Good	Very Little to None	Excellent, Resists Acids
Carbon Composite	Soft	None	Non-corrosive
Titanium Nitride PVD Coating	Very Good	Very Little to None	Excellent

AVEN® | Tools for Advancing Innovation™

Aven General Forceps



Aven Forceps - Serrated Tips

- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Long, straight tip is helpful when working in confined spaces

Product #	Description
18439	Splinter Forceps Straight Serrated Tip 4-1/2 Inches
18436	Aven Forceps - Straight Serrated Tips 5 Inches
18435	Aven Forceps - Straight Serrated Tips 6 Inches
18434	Aven Forceps - Straight Serrated Tips 8 Inches
18433	Aven Forceps - Straight Serrated Tips 10 Inches
18432	Aven Forceps - Straight Serrated Tips 12 Inches
18493	Aven Forceps Bent Serrated Tips 12 Inches

Aven College Forceps

- Alignment pin ensures perfect tips meet precisely for a secure hold
- Serrated handle for extra control
- Polished stainless steel provides excellent corrosion resistance
- Ideal for bending, separating and removing small items

Product #	Description
18437	Aven College Forceps Straight Fine Tips W/Alignment Pin 4 Inches
18438	Aven College Forceps W/Alignment Pin Bent Tips 4-1/2 Inches
18401	Aven College Forceps W/Alignment Pin 6 Inches
18402	Aven College Forceps W/Alignment Pin Curved Tips 6 Inches
18400	Aven College Forceps W/Lock Bent Tips 6 Inches
18403	W/Alignment Pin Offset Curved Tips 6 Inches

Aven Toothed Tissue Forceps

- Toothed Tip for securely handling dense tissue or similar materials
- Polished Stainless Steel
- Serrated handles

Product #	Description
18494	Aven Toothed Tissue Forceps 5-1/2 Inches

Aven Forceps - PVC Plastic Coated Tips

- Plastic coated tips provide chemical resistance
- Secure non-slip grip for non-scratch parts retrieval
- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items

Product #	Description
18430	Aven Forceps - PVC Plastic Coated Tips 8 Inches
18431	Aven Forceps - PVC Plastic Coated Tips 12 Inches

Aven Tweezers Sets

E-Z Pik 6pc Set

Product #18480EZ

- Contains AA-SA, OO-SA, OODSA, 3C-SA, 5-SA and 7-SA styles
- Stainless steel, anti-magnetic, anti-acid
- Highly durable special coating for high visibility and easy identification

Blu-Tek 5pc Set

Product #18800BTK

- Contains 5-SS, 51-SS, 3-SS, 5A-SS, 7-SS styles
- Industrial and laboratory use
- Stainless steel w/ nitride PVD infusion
- Scratch and corrosion resistance

Artis 9pc Set

Product #18480ARS

- Contains AA,MM, OO, SS, 1-SA, 2A-SA, 3C, 5-SA, and 7-SA styles
- ESD Safe coating
- Stainless steel tips
- Angled bend at tip to reduce long term use hand fatigue

Titanium 6pc Set

Product #18480TT

- Contains 2A, 3C, OO, AA, 5 and 7 styles
- Light weight and high strength material
- Non-magnetic
- Titanium is strong does not shed particles like stainless steel material

6 Piece General Purpose Tweezers and Forceps Set

Product #18474

- Contains 7" Utility Tweezers, 6" Forceps with Straight Serrated Tips, 4.5" Offset Spade Tweezers, 4.75" Straight Edged Tweezers, 4.375" Tapered Tweezers
- 3" Fine Pointed Tweezers
- Includes a button-up pouch for easy travel and storage.

AVEN® | *Tools for Advancing Innovation™*

Tweezers Cross Reference Guide

Premium Tweezers

Tweezer Pattern	Excelta	EREM	AVEN Accu-Tek Stainless Steel	AVEN Artist	AVEN Titanium Accu-Tek	AVEN Blu-Tek
0 0	00-SA	00SA	18032ACU	18032ARS	18032TS	N/A
00D	00D-SA	00DSA	18037ACU	N/A	N/A	N/A
0	0-SA	M5S	N/A	N/A	N/A	N/A
0C	0C-SA	N/A	18029ACU	N/A	N/A	N/A
SS	SS-SA	SSSA	18040ACU	18040ARS	N/A	N/A
1	1-SA	1SA	N/A	18043ARS	N/A	N/A
3	3-SA	3SA	18053ACU	N/A	N/A	N/A
3C	3C-SA	3CSA	18056ACU	18056ARS	N/A	18853
2	2-SA	2SA	N/A	N/A	N/A	N/A
4	4-SA	4SA	18059ACU	N/A	N/A	N/A
5	5-SA	5SA	N/A	18062ARS	18062TS	18862
2A	2A-SA	2ASA	N/A	18049ARS	18049TS	N/A
5A	5A-SA	5ASA	N/A	N/A	N/A	18865
6	6-SA	N/A	N/A	N/A	N/A	N/A
AA	N/A	N/A	N/A	18012ARS	N/A	N/A
MM	N/A	N/A	N/A	18023ARS	N/A	N/A
7	7-SA	7SA	N/A	18072ARS	N/A	18872
5B	5B-SA-ET	N/A	N/A	N/A	N/A	18851

Professional-Grade Tweezers

Tweezer Pattern	Excelta	EREM	AVEN Teknik Stainless Steel	AVEN Tecknik Carbon Steel	AVEN Tecknik Titanium	AVEN E-Z Pik
0 0	00-SA-SE/00-SA-PI	00SASL	18032USA	18032-CS	18032TT	18032EZ
00D	00D-SA-SE/00D-SA-PI	N/A	18037USA	18036-CS	18037TT	N/A
0	N/A	N/A	18026USA	N/A	N/A	N/A
0C	0C-SA-SE/OC-SA-PI	N/A	18029USA	N/A	N/A	N/A
SS	SS-SA-SE/SS-SA-PI	N/A	18040USA	N/A	N/A	N/A
1	1SA-SE/1SA-PI	1SASL	18043USA	18043-CS	18043TT	N/A
3	3SA-SE/3SA-PI	3SASL	18053USA	18053-CS	18053TT	N/A
3C	3C-SA-SE/-3C-SA-PI	3CSASL	18056USA	18054-CS	18056TT	18056EZ
2	2-SA-SE/2-SA-PI	2SASL	18046USA	18046-CS	18046TT	N/A
4	4-SA-SE	4SASL	18059USA	18057-CS	18059TT	N/A
5	5-SA-SE/5-SA-PI	5SASL	18062USA	18060-CS	18062TT	18062EZ
2A	2A-SA-SE/2A-SA-PI	2ASASL	18049USA	18049-CS	18049TT	18049EZ
5A	5A-SA-SE/5A-SA-PI	5ASASL	18065USA	N/A	18065TT	N/A
6	6-SA-SE/6SA-PI	N/A	18069USA	18067-CS	18069TT	N/A
AA	N/A	N/A	18013USA	18011-CS	18072TT	18012EZ
MM	N/A	N/A	18023USA	18021-CS	N/A	N/A
7	7-SA-SE/7SA-PI	7SASL	18072USA	18072CS	18013TT	18072EZ

AVEN® Tools for Advancing Innovation™

Aven Brand Tweezers

Tip Pattern	Accutek	Accutek Mini	Technik Stainless Steel	Technik Carbon Steel	Accu-tek Titanium	Technik Titanium	E-Z Pik	Comfort grip	Artis	Carbofib	Blu-Tek
AA			18013USA	18011-CS		18013TT	18013EZ		18013ARS		
AC			18016USA								
MM			18023USA	18021-CS					18023ARS		
0 0	18032ACU		18032USA	18032-CS	18032TS	18032TT	18032EZ	18032-ER	18032ARS		
00C			18034USA								
00D	18037ACU		18037USA	18036-CS		18037TT					
0A			18027USA								
0C	18029ACU		18029USA								
SS	18040ACU		18040USA						18040ARS		
1			18043USA	18043-CS		18043TT			18043ARS		
2		18046-MS	18046USA	18046-CS		18046TT				18767	
2A		18049-MS	18049USA	18049-CS	18049TS	18049TT	18049EZ	18049-ER	18049ARS	18768	
2AB			18050USA								
3	18053ACU	18053-MS	18053USA	18053-CS		18053TT				18660	
302										18702	
3C	18056ACU		18056USA	18054-CS		18056TT	18056EZ	18056-ER	18056ARS		18853
3F	18079ACU										
35A			18201USA								
36			18202USA								
4	18059ACU		18059USA	18057-CS		18059TT					
5		18062-MS	18062USA	18060-CS	18062TS	18062TT	18062EZ	18062-ER	18062ARS	18762	18862
5A			18065USA			18065TT					18865
5B			18066USA	18066-CS							18851
6			18069USA	18067-CS		18069TT					
65A	18076ACU										
66	18077ACU										
7			18072USA	18070-CS		18072TT	18072EZ	18072-ER	18072ARS	18769	18872
7B			18074USA								
15AWG	18114ACU										
304										18704	

AVEN®

Tools for Advancing Innovation™

aventools.com

Contact US

aventools.com

info@aventools.com

734-973-0099

4330 Varsity Drive Ann Arbor, MI 48108

Please scan to view our 700+ products