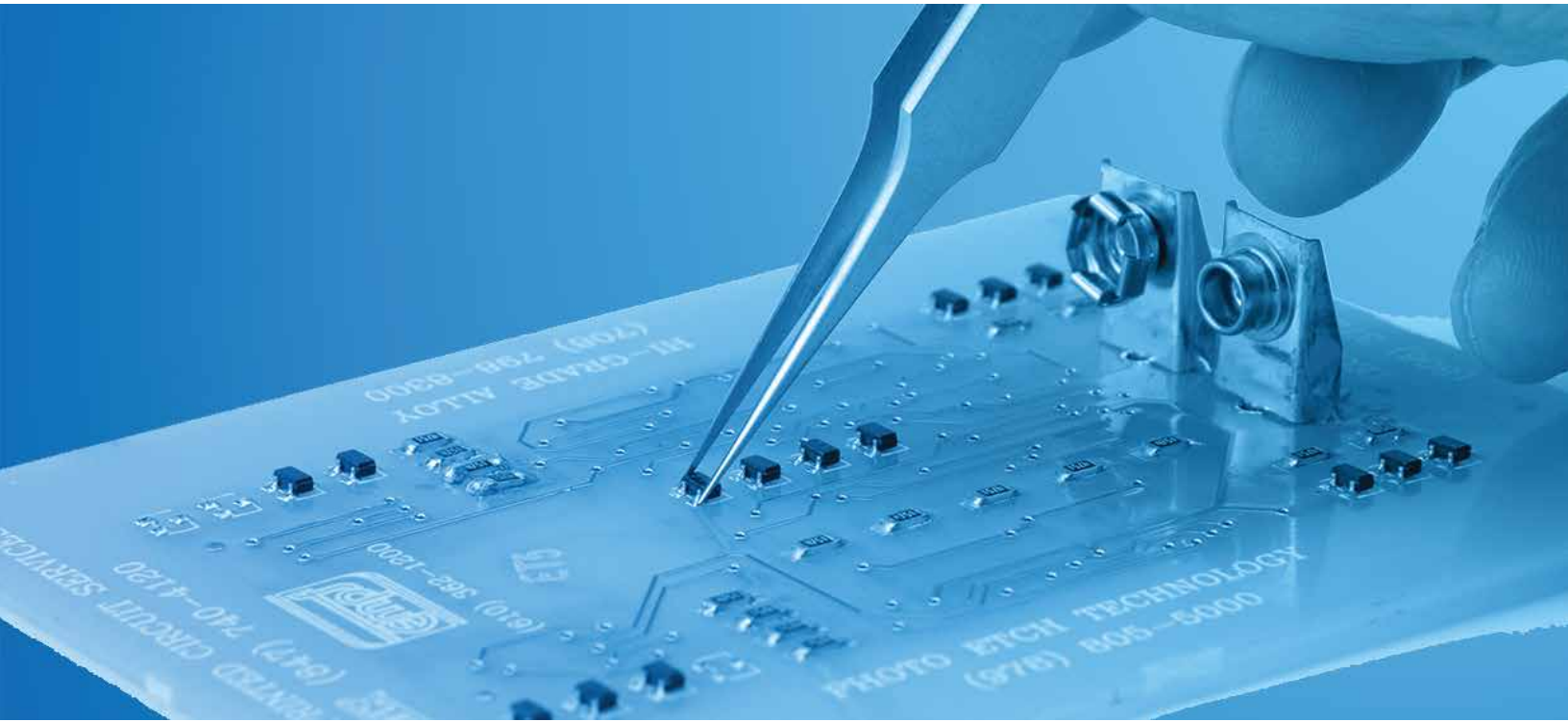




Tools for  
Advancing  
Innovation

# Precision Tweezer

## Selection Guide



## BLU-TEK

Laboratory Grade Tweezer



Laboratory and Microscopy

Blu-Tek tweezers were designed for industrial and laboratory use. The attractive blue finish is a result of a Titanium Nitride PVD coating 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. 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.

- Presses grip lines adds comfort and ease of use
- Precise tip alignment
- Scratch and corrosion resistant

## ARTIS

Reimagining the Tweezer



Laboratory and 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

- Exclusive patent-pending design reduces hand fatigue
- Protective ESD Safe coating
- Highly polished stainless steel tips with rounded edges
- Anti-magnetic & anti-acid

## Accu-Tek

Premium Titanium Tweezers



Precision Assembly

Swiss-Made premium titanium tweezers. These titanium tweezers have been found to be excellent for use in the silicon chip industry because 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 a light weight, high strength material.

- Lightweight (high strength to weight ratio)
- Chemical and corrosion resistant
- Zero magnetic retentively
- Solder non-adherent
- Temperature resistant to 800°C/1600°F

## Titanium Technik

High Precision Tweezer



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.

- Lightweight (high strength to weight ratio)
- Chemical and corrosion resistant
- Zero magnetic retentively
- Solder non-adherent
- Temperature resistant to 800°C/1600°F

## Technik

High Precision Tweezer



Laboratory and Microscopy

Finely crafted tweezers. Anti-glare finish to reduce eye strain. Hand finished points for accuracy. Recommended for micro electronics and precision assembly. Available in stainless steel and carbon steel.

- Stainless steel models - anti-magnetic & anti-acid
- Carbon steel models also available

## E-Z Pik

Industrial Tweezer



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.

- Color coated for easy identification
- Anti-acid
- Straight strong precise tips
- 304 Stainless steel
- Anti-magnetic

# Tweezer Material

## Titanium

Titanium tweezers are excellent for use in the silicon chip industry, as they do not shed particles like the 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.



## 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 256°C.



## Stainless Steel

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



## Stainless Steel W/ Titanium Nitride PVD Infusion

The attractive blue finish is a result of a Titanium Nitride PVD coating 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. Aerospace, automotive, defense, manufacturing and more where long lasting durability is crucial.



Material	Tip Hardness	Magnetism	Corrosion Resistance
Titanium	Excellent	Never	Excellent
Carbon Steel	Excellent	Yes	Low
Stainless Steel	Very Good	Some	Good
Stainless Steel, Anti-Magnetic, Anti-Acid	Good	None to Very Little	Excellent, Resists Acids
Carbon Composite	Soft	None	Non-corrosive
Titanium Nitride PVD Coating	Very Good	None to Very Little	Excellent

Image	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 finer grips
	MM	General Purpose Tweezer
	OO	Flat edges, heavy duty strong blades tapering to a regular strong point
	OOC	Flat edges, strong blades tapering to a regular strong point.
	OOD	Flat edges, strong blades tapering to a regular strong point. Finger grips.
	O	Fine Straight Points for handling and positioning of miniature parts or fine wire
	OA	Straight Points with radius edges. Designed for dense areas
	OC	Flat Edges, fine tips and short
	SS	Extra long and narrow with extended reach to access confined areas.
	1	General Use, Strong Blade with Fine Point
	2	Tapered sharp point for bending and handling of small wire and parts
	2A	Straight Flat Tips. Provides large flat gripping surface.
	2AB	Curved Flat Tips. Best Flat tips. Tips provide large flat gripping surface.
	3	Fine point tweezers for general assembly or light magnification applications.
	3CB	Fine point with bent tips
	3F	Fine point. Tips touch over 3mm 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
	15AWG	Cutting tweezers. Used for fine wire or hairsprings
	3C	Fine point tweezers. Slightly shorter than #3

# 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 Teknik Carbon Steel	AVEN Teknik Titanium	AVEN E-Z Pk
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/0C-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	1 SA-SE/1 SA-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



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 Pk	Comfort grip	Artis	Carbofib	Blu-Tek
AA			18013USA	18011-CS		18013TT	18013EZ		18013ARS		
AC			18016USA								
MM			18023USA	18021-CS					18023ARS		
00	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 Tweezer Sets



#18480EZ

## E-Z Pik 6pc Set

- 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



#18800BTK

## Blu-Tek 5pc Set

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



#18480TT

## Titanium 6pc Set

- 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



#18430ARS

## Artis 9pc Set

- 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

# Aven General Forceps

Listed below are only few of our large selection of general and college forceps.  
Please visit our website [aventools.com](http://aventools.com) for full list all products.

Aven 12" Forceps W/ Bent Tips, Serrated



#18493

Aven 8" Forceps W/ Plastic Coated Tips



#18430

Aven 6" Forceps W/ Straight Serrated Tips



#18435

Aven 10" Forceps W/ Straight Serrated Tips



#18433

Aven 12" Forceps W/ Plastic Coated Tips



#18431

Aven 5.5" Toothed Tissue Forceps



#18494

[Click here](#) to further explore  
Avens Tweezer collections



Tools for  
Advancing  
Innovation

# CONTACT US

4330 Varsity Dr,  
Ann Arbor, MI 48108

Phone: 734.973.0097

[sales@aventools.com](mailto:sales@aventools.com)

[www.aventools.com](http://www.aventools.com)

