



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Precision Tweezers

We Offer a Wide Variety of Tweezers To Meet a Broad Range Of Applications and 2 Different Quality Grades.

In order to choose the best tool for your application:

1. Determine the type of points best suited for your application.
2. Refer to the material guide below and select the correct material for your application.
3. Determine the quality level required for your application if applicable. (Table 1)
4. Remember there is a trade-off between hardness, magnetism and corrosion resistance. (Table 2)

QUALITY GRADES (Table 1)

Brand Recommend For:

Accu-Tek Made from the finest steels. 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. All Accu-Tek precision tweezers are made from
 anti-acid, anti-magnetic stainless steel.

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

MATERIAL SELECTION GUIDE (Table 2)

Material	Tip Hardness	Magnetism	Corrosion Resistance
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

Ceramic ESD Safe, non magnetic. Resists all chemicals except hydrofluoric acids. Withstands temperatures up to 900°F.
 Heat sink fighter. For more details on the features of our ceramic tweezers please refer to page 93.

Plastic We offer static dissipative plastic tweezers. Plastic tweezers are non magnetic, resist virtually all commercial
 solvents. Non absorbent and easy to clean. Tips are non-marring.

Carpenter 20, Nickel, Titanium, Beryllium, Copper & Brass: Available on special order.

SPECIAL COATINGS (Available on non magnetic steel only)

- TE - Teflon** Superior anti-scratch, non-stick material. Acid resistant. 400°F/200°C
- EP - Epoxy** Good electrical insulation and resistance to chemicals. Antiglare. 300°F/150°C
- RY - Ryton** Very smooth. Excellent resistance to chemicals and temperature.
- PY - Pyron** Water and solder repellent. Non conductive 950°F/500°C
- GP - Gold Plating** Very high corrosion resistance. Smooth anti-scratch, anti-glare, no tarnish finish.

* To order tweezers with above mentioned coatings, please add the symbol to the order #.
 * Call AVEN for price and delivery time.