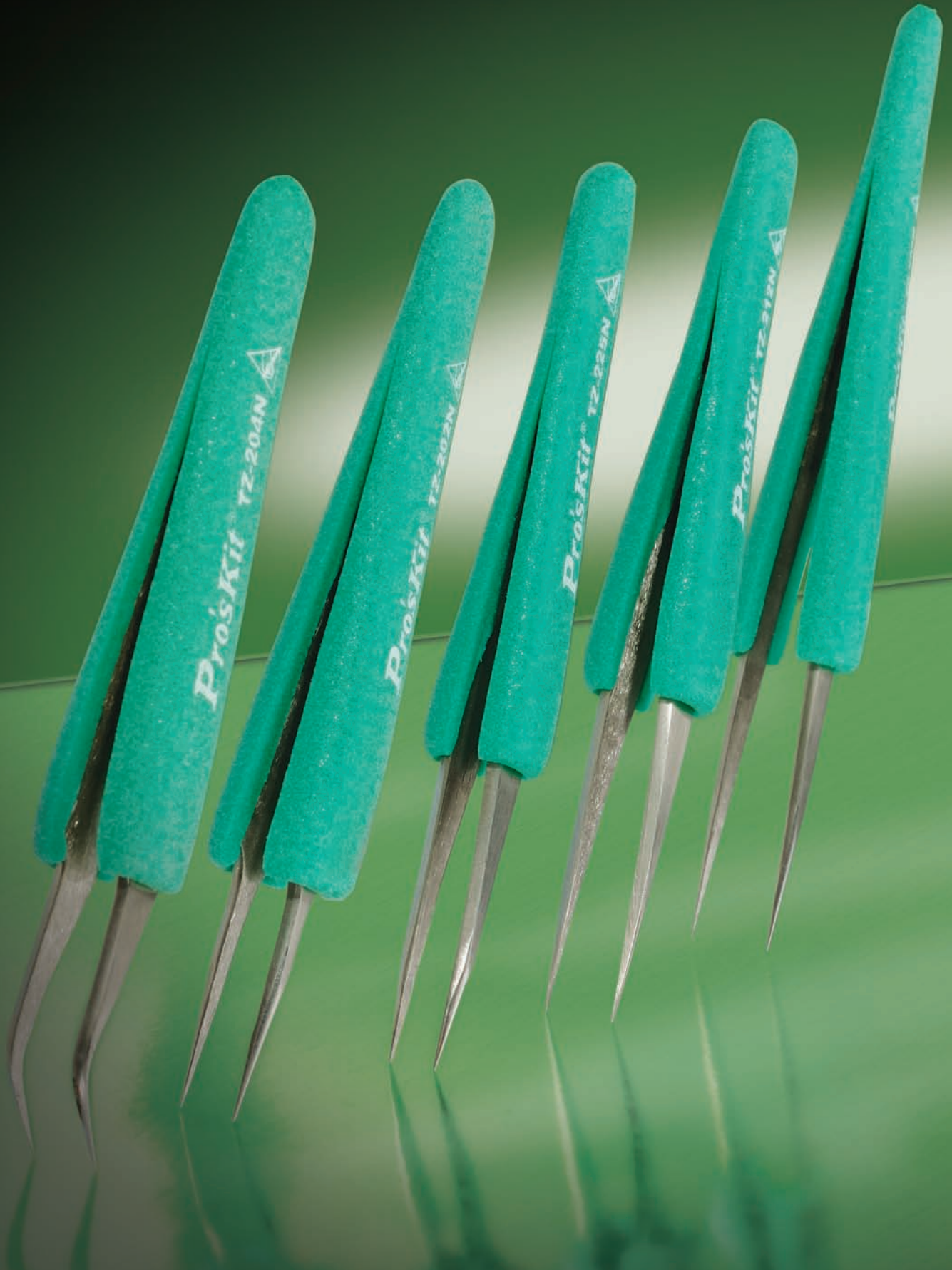


# PRECISION TWEEZERS



# Tweezers Technical Basics

## Materials



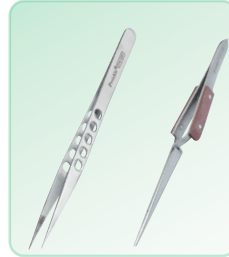
### Non-magnetic stainless steel

Stainless steel is the most common material for tweezers. Nonmagnetic tweezers offer excellent resistance to chemical or corrosion, suitable for precision electronic field, clean room, precise crafts, and jewelry industrial.



### ESD safe

Made of electrically conductive engineering plastic to offer greater strength, static protection and heat resistance, suitable for precision electronic industrial and precise jewelry.



### Magnetic stainless steel

Magnetic tweezers are suitable for precision electronic Dip production line, precise craft, and jewelry.



### Titanium steel

Titanium is completely nonmagnetic to offer excellent resistance to corrosion and chemical. It's light-weight allows long time use without fatigue. They are suitable for precision electronics industrial, semiconductor process, clean room, precise jewelry.



### Ceramic

Ceramic is a completely nonmagnetic and insulating material to offer excellent resistance to chemical, abrasion, and heat, suitable for handling electronic parts, clean room and semiconductors as well as biology and superconductivity-related work.

## Construction



### Magnifier tweezers

Providing more accurate in picking up tiny components.



### PVC coating or painting tweezers

Providing more comfortable use, suitable for electronic field and jewelry industrial.



### Wooden handle tweezers

Special design for user comfort and heat resistance, suitable for work where heat resistance and strong gripping capability is required, such as crafts, electronic DIP production line.



### Cross-leg reverse action tweezers

The mainly used in long gripping or holding purpose, suitable for gripping components before soldering operation or assist to hold for crafts parts.

## Tip Style



### Sharp or super sharp tip tweezers

For gripping small parts and easy to get into hard to reach areas, suitable for precision electronic filed, precise crafts, jewelry and watch industrial.

**⚠ Caution:** When using sharp tip tweezes, please pay highly attention for safety.



### Round points or point tip tweezers

Design for protecting components while gripping. They are good for picking up bigger parts such as plastic, glass or DIP components. It is suitable for electronic filed, crafts, or jewelry maker.



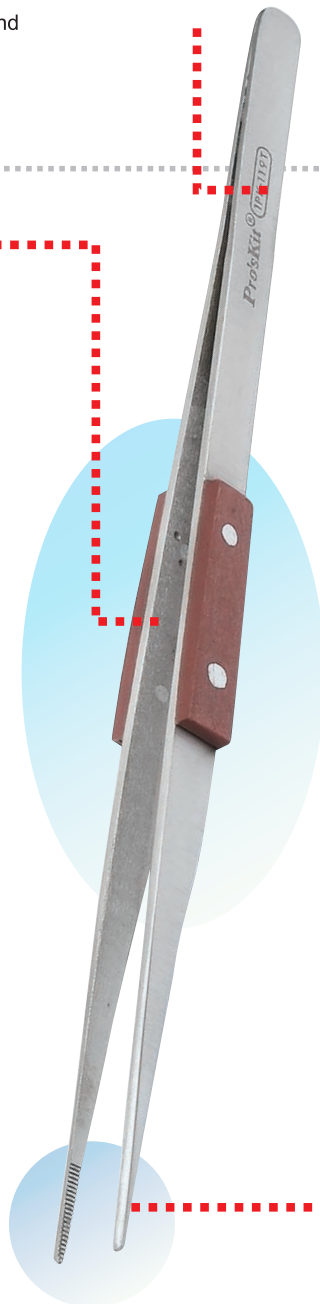
### SMD tweezers

Design for matching different SMD shapes to ensure gripping more steady and properly.



### Serrated jaw tweezers

For more secure gripping, especially for bigger components.



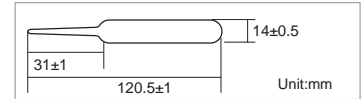
# ERGO-GRIP TWEEZER



- Static dissipative handle  $10^9$ ~ $10^{11}$
- Light weight design
- Precise tip offers safe access to hard-to-reach areas

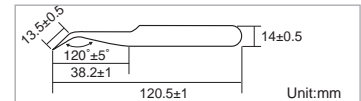
- Cushioned handle increases operation comfort with less fatigue
- Constructed of high-quality stainless, chemical resistant; tough, non-magnetic surface.

## TZ-202N Super Fine Tip Straight Tweezer



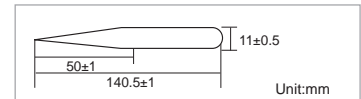
| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120.5    | Blister card       |

## TZ-204N Fine Tip Curved Tweezer



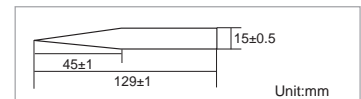
| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120.5    | Blister card       |

## TZ-205N Fine Tip Straight Tweezer



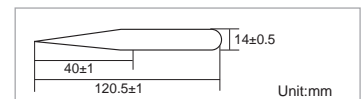
| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 140.5    | Blister card       |

## TZ-212N Extremely Fine And Sharp Tip Tweezer



| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 129      | Blister card       |

## TZ-225N Super Fine Tip Straight Tweezer



| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120.5    | Blister card       |



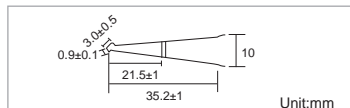
# SMD TWEEZERS SERIES



- Ideal for handling highly complex SMD rework
- Precise tip meets the shape of chip parts

- Made of AISI 304 stainless steel, non-magnetic surface, anti-corrosive, less wear for long time.

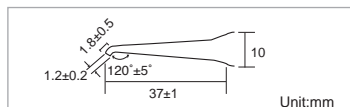
## ▶ 1PK-TZ001 SMD Tweezer



| Material | Magnetic | OAL.(mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120      | Blister card       |



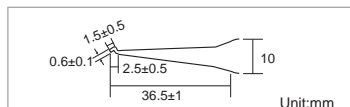
## ▶ 1PK-TZ002 SMD Tweezer



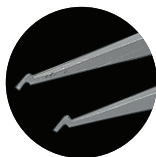
| Material | Magnetic | OAL.(mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120      | Blister card       |



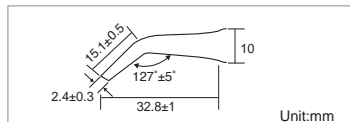
## ▶ 1PK-TZ003 SMD Tweezer



| Material | Magnetic | OAL.(mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120      | Blister card       |



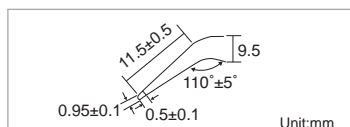
## ▶ 1PK-TZ004 SMD Tweezer



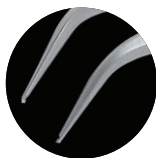
| Material | Magnetic | OAL.(mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120      | Blister card       |



## ▶ 1PK-TZ005 SMD Tweezer



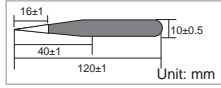
| Material | Magnetic | OAL.(mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 115      | Blister card       |



▶ **1PK-101T Insulated Tweezer**



RoHS COMPLIANT

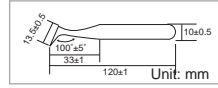


| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120      | Blister card       |

▶ **1PK-110T Cutting Tweezer**



RoHS COMPLIANT

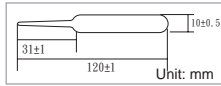


| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120      | Blister card       |

▶ **1PK-102T Super Fine Tip Straight Tweezer**



RoHS COMPLIANT

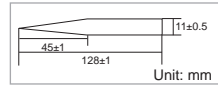


| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120      | Blister card       |

▶ **1PK-112T Extremely Fine And Sharp Tip Tweezer**



RoHS COMPLIANT

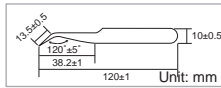


| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 128      | Blister card       |

▶ **1PK-104T Fine Tip Curved Tweezer**



RoHS COMPLIANT

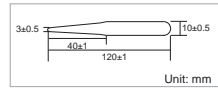
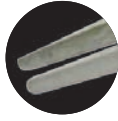


| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120      | Blister card       |

▶ **TZ-116 Blunt Flat Tip Tweezer**



RoHS COMPLIANT

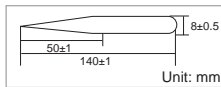


| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120      | Blister card       |

▶ **1PK-105T Fine Tip Straight Tweezer**



RoHS COMPLIANT

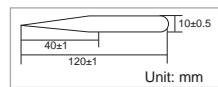


| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 140      | Blister card       |

▶ **1PK-125T Super Fine Tip Straight Tweezer**

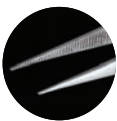


RoHS COMPLIANT

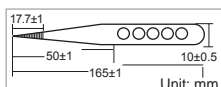


| Material | Magnetic | OAL (mm) | Individual packing |
|----------|----------|----------|--------------------|
| AISI 304 | Non      | 120      | Blister card       |

▶ **1PK-123T Heavy-Duty Tweezer**



RoHS COMPLIANT

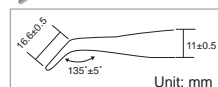


| Material | Magnetize-able | OAL (mm) | Individual packing |
|----------|----------------|----------|--------------------|
| AISI 410 | Yes            | 165      | Blister card       |

▶ **1PK-106T Universal Tweezer**

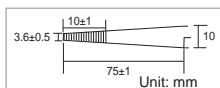
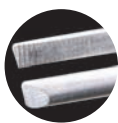


RoHS COMPLIANT



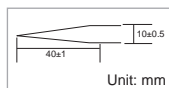
| Material | Magnetize-able | OAL (mm) | Individual packing |
|----------|----------------|----------|--------------------|
| AISI 410 | Yes            | 175      | Blister card       |

**1PK-108T Reverse Action Tweezer (Self-Gripping)**



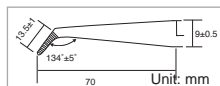
| Material | Magnetize-able | OAL.(mm) | Individual packing |
|----------|----------------|----------|--------------------|
| AISI 410 | Yes            | 165      | Blister card       |

**1PK-TZ015 Optical Tweezer**



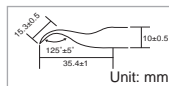
| Material | Magnification | Diameter | Magnetic | OAL (mm) | Individual packing |
|----------|---------------|----------|----------|----------|--------------------|
| AISI 304 | 3x            | ø32mm    | Non      | 120      | Blister card       |

**1PK-117T Cross Leg Soldering Tweezer**



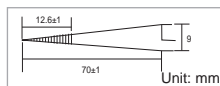
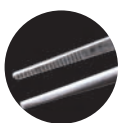
| Material | Magnetize-able | OAL.(mm) | Individual packing |
|----------|----------------|----------|--------------------|
| AISI 410 | Yes            | 164      | Blister card       |

**1PK-TZ017 Optical Tweezer**



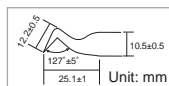
| Material | Magnification | Diameter | Magnetic | OAL (mm) | Individual packing |
|----------|---------------|----------|----------|----------|--------------------|
| AISI 304 | 3x            | ø32mm    | Non      | 120      | Blister card       |

**1PK-118T Heavy Duty Tweezer**



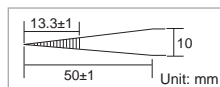
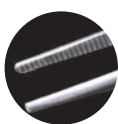
| Material | Magnetize-able | OAL.(mm) | Individual packing |
|----------|----------------|----------|--------------------|
| AISI 410 | Yes            | 165      | Blister card       |

**1PK-TZ019 Optical Tweezer**



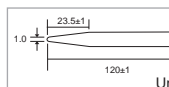
| Material | Magnification | Diameter | Magnetic | OAL (mm) | Individual packing |
|----------|---------------|----------|----------|----------|--------------------|
| AISI 304 | 3x            | ø32mm    | Non      | 120      | Blister card       |

**1PK-119T Point Tweezer**



| Material | Magnetize-able | OAL.(mm) | Individual packing |
|----------|----------------|----------|--------------------|
| AISI 410 | Yes            | 200      | Blister card       |

**1PK-115T Long Nose Tweezer**

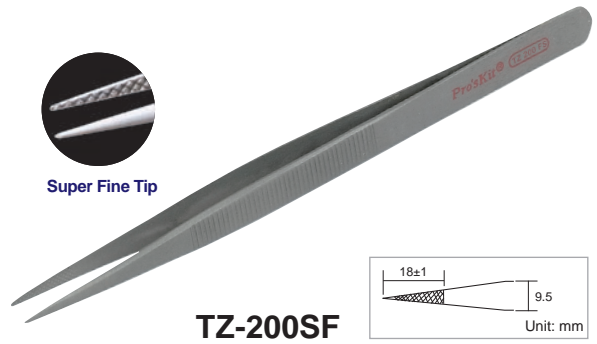
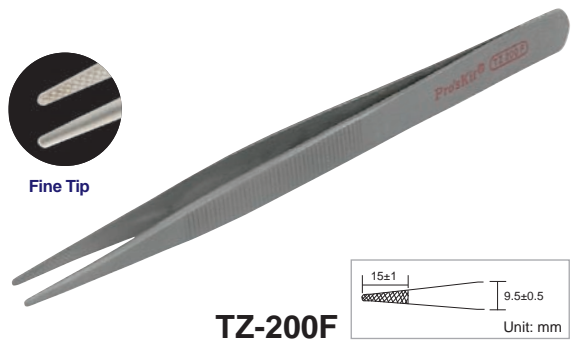


| Material | Magnetize-able | OAL (mm) | Individual packing |
|----------|----------------|----------|--------------------|
| AISI 410 | Yes            | 200      | Blister card       |

**TZ-200F / TZ-200SF Titanium Tweezer**



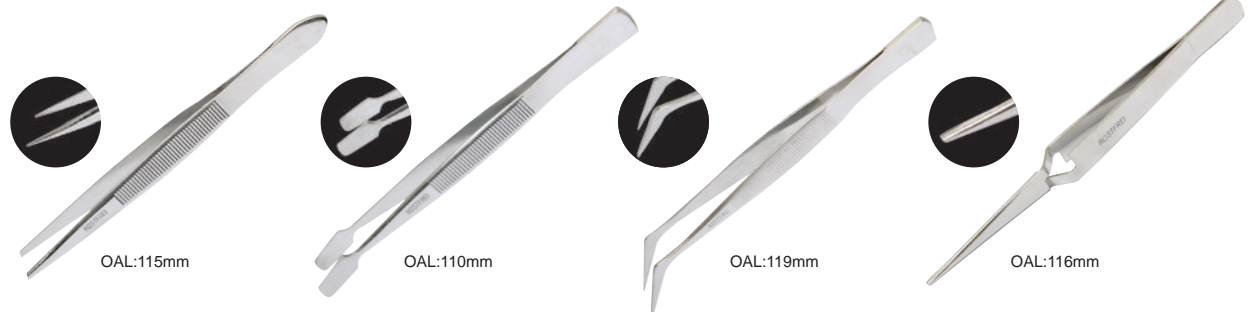
**Suitable for lab and clean-room purpose**



- Hardened construction permits no twisting of the body under high tension
- Extreme performance light weight for reducing hand fatigue
- Non-magnetic, non-corrosion, rusting, perfect for handling of sensitive components in cleaning/chemical processes at high temperatures, histology, biology, forensics, electron microscopy etc.

| Model No. | Material | Magnetic | OAL. (mm) | Individual packing |
|-----------|----------|----------|-----------|--------------------|
| TZ-200F   | Titanium | Non      | 165       | Blister card       |
| TZ-200SF  | Titanium | Non      | 165       | Blister card       |

**808-389 4 PCS Tweezer Set**



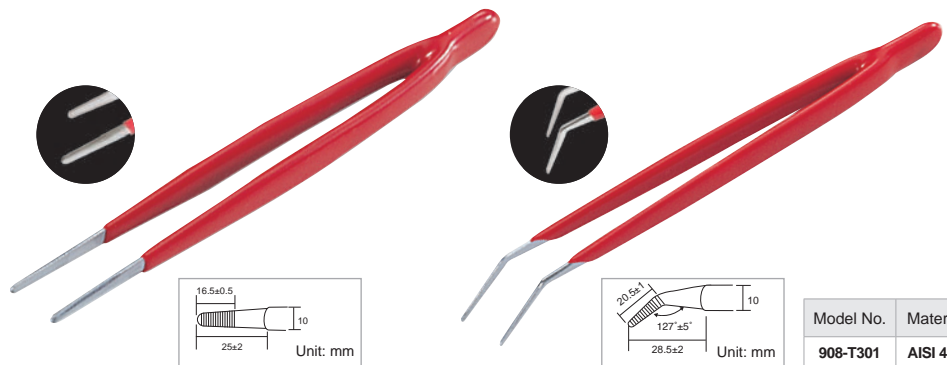
4 different style stainless steel tweezers for every need. Includes one self-locking; ideal for picking up small components in hard to reach places, as well as component assembly one pc prototype boards.

| Model No. | Material | Magnetic | OAL(mm) | Individual packing |
|-----------|----------|----------|---------|--------------------|
| 808-389   | AISI 430 | Non      | 110-120 | Pouch              |

**908-T301 2 PCS Tweezer Set**

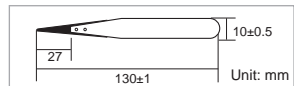


2 pcs economic type tweezer with insulated coating handle.



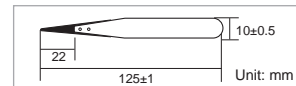
| Model No. | Material | Magnetic | OAL (mm) | Individual packing |
|-----------|----------|----------|----------|--------------------|
| 908-T301  | AISI 430 | Non      | 145      | Blister card       |

▶ **TZ-300A** Static Dissipative Soft Tip Tweezer



| Material |        | Resistance         | Replacement Tip | Magnetic | OAL (mm) | Individual packing |
|----------|--------|--------------------|-----------------|----------|----------|--------------------|
| Handle   | Tip    |                    |                 |          |          |                    |
| AISI 302 | PPS-hb | <10 <sup>6</sup> Ω | 5TZ-300A        | Non      | 130      | Blister card       |

▶ **TZ-300B** Static Dissipative Soft Tip Tweezer

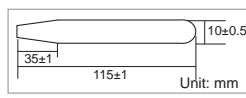


| Material |        | Resistance         | Replacement Tip | Magnetic | OAL (mm) | Individual packing |
|----------|--------|--------------------|-----------------|----------|----------|--------------------|
| Handle   | Tip    |                    |                 |          |          |                    |
| AISI 302 | PPS-hb | <10 <sup>6</sup> Ω | 5TZ-300B        | Non      | 125      | Blister card       |

▶ **TZ-100A / B / C / D** Conductive Tweezer



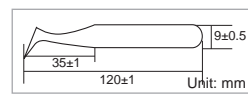
**TZ-100A**



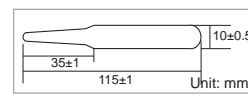
| Model No. | Material        | Resistance         | Magnetic | OAL (mm) | Individual packing |
|-----------|-----------------|--------------------|----------|----------|--------------------|
| TZ-100A   | PC Carbon Fiber | <10 <sup>4</sup> Ω | Non      | 115      | Blister card       |
| TZ-100B   |                 |                    |          | 120      |                    |



**TZ-100B**



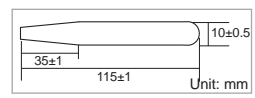
**TZ-100C**



| Model No. | Material        | Resistance         | Magnetic | OAL (mm) | Individual packing |
|-----------|-----------------|--------------------|----------|----------|--------------------|
| TZ-100C   | PC Carbon Fiber | <10 <sup>4</sup> Ω | Non      | 115      | Blister card       |
| TZ-100D   |                 |                    |          |          |                    |



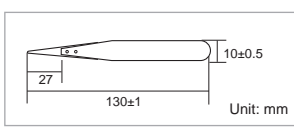
**TZ-100D**



▶ **TZ-121** Ceramic Tip Tweezer



- Replaceable tips screw on stainless body.
- Made of fine ceramic (Zirconium) materials with non-magnetic surface.
- Ergonomic handle design with 0.5 mm tip makes the tweezers ideal for access in confined areas.
- Chemical-resistant.
- Heat-resistant.
- Anti-magnetic.



| Material |                    | Replacement Tip | Magnetic | OAL (mm) | Individual packing                   |
|----------|--------------------|-----------------|----------|----------|--------------------------------------|
| Handle   | Tip                |                 |          |          |                                      |
| AISI 302 | Ceramic (Zirconia) | 9TZ-121-BIT     | Non      | 130      | Blister card + PP Box With Black EVA |