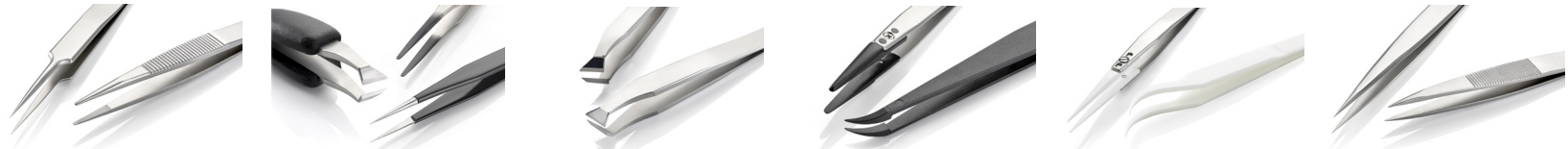







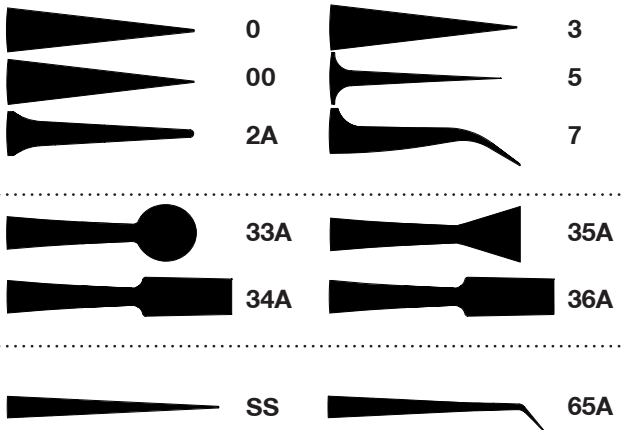





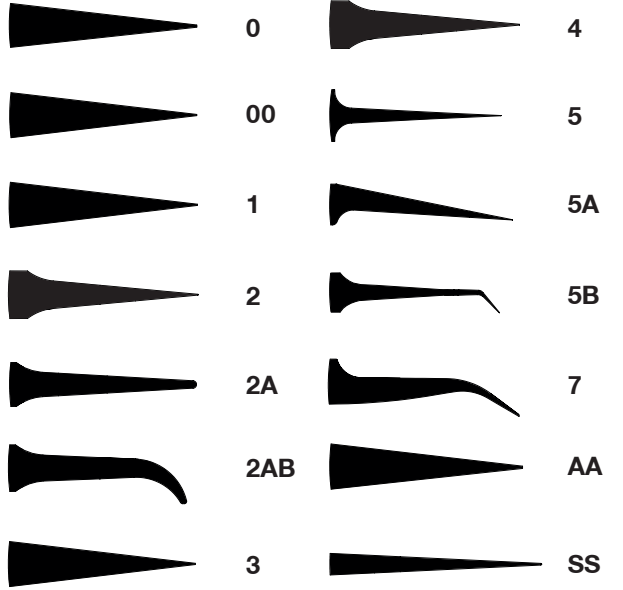
Training Program - 02. Tweezer categories (part 1)

# Tweezer categories and materials


































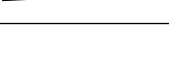


	HIGH PRECISION TWEEZERS	COATED/GRIP TWEEZERS	CUTTING TWEEZERS	PLASTIC TWEEZERS	CERAMIC TWEEZERS	ECONOMY TWEEZERS
DX	■	●	●	●	●	●
CX	■	●	●	●	●	●
SA	■	■	●	●	●	■
S	■	●	■	●	●	●
C	■	■	■	●	●	●
NC	■	■	●	●	●	●
TA	■	■	●	●	●	●
N	■	●	●	●	●	●
BR	■	■	●	●	●	●
PB	■	●	●	●	●	●
CP	●	●	●	■	●	●
CF	●	●	●	■	●	●
SV	●	●	●	■	●	●
DG	●	●	●	■	●	●
LC	●	●	●	■	●	●
LR	●	●	●	■	●	●
MZ	●	●	●	●	■	●
ZJ	●	●	●	●	■	●
PSZ	●	●	●	●	■	●

# Tweezer categories (Core Tweezers)

CATEGORY DESCRIPTION	MOST POPULAR STYLES	MATERIALS
<p><b>HIGH PRECISION TW</b></p>  <p><b>HP - FLAT TIP</b></p> <p>Handcrafted to have perfect tip symmetry and balance along with polished edges and superior no-scratch/antiglare satin finish. Typical applications include microscopy preparation, sample handling, precision manufacturing, electronic industry, watch making, general laboratory and medical applications.</p> <p><b>BIOLOGY TWEEZERS</b> - Made of high-alloy stainless steel (DX) and superalloy (CX). The perfect choice to be used under microscope as their extra fine tips are ideal for handling extremely minute, delicate material and grids.</p> <hr/>  <p><b>HP - SUPER SLIM</b></p> <p>Smooth scratch proof tips designed for handling sensitive parts and components. Applications include moving, gripping and manipulating flat parts, substrates and wafers. The smooth, flat tips enable gentle handling and minimum pressure on delicate parts.</p> <hr/>  <p>Long and slender tweezers especially suited for reaching in tight spaces or for working near heat sources.</p>		<p><b>DX - CX - SA - S - C - NC - TA - N - BR - PB</b></p> <hr/> <p><b>SA - S - TA</b></p> <hr/> <p><b>SA - S - TA</b></p>
<p><b>COATED/GRIP TW</b></p> <p><b>ESD SAFE EPOXY COATING</b></p>  <p>Anti-Magnetic or Carbon precision tweezers with black ESD safe Epoxy coating (resistivity 10<sup>5</sup>-10<sup>6</sup> Ohm). The elastic Epoxy Coating provides enhanced operator comfort and impact resistance, in environments up to 120°C. Good resistance to many diluted acids and alkalis.</p> <hr/> <p><b>ESD SAFE DIAMOND COATING</b></p>  <p>Anti-Magnetic precision tweezers with ESD safe diamond coating (resistivity 10<sup>4</sup> Ohm). This high hardness and high elasticity biocompatible coating protects tweezer tip from wear. These tweezers are ideally suited for handling of hard materials, demanding sample preparation, biological, clean room and high use applications. DC tip coating is available for any Ideal-tek tweezer model.</p> <hr/> <p><b>ESD SAFE GRIP HANDLE</b></p>  <p>Soft ESD safe ergonomic cushion grips (resistivity 10<sup>9</sup> Ohm) provide enhanced operator comfort and reduced finger stress when handling ESD sensitive components or small static items. Two different handles are available: ESD safe blue Rubber (DR) or ESD safe black Foam (DN).</p> <hr/> <p><b>TEFLON COATING</b></p>  <p>Teflon coating reduces the rate of heat during critical cryo work and reduces the corrosive action of acids and bases on tweezers tips. Teflon-coated tweezers are recommended when specimen material is fragile.</p> <hr/> <p><b>GOLD PLATED COATING</b></p>  <p>Scratch resistant and perfect for immuno gold work with nickel grid handling. The 24-carat gold plated High precision tweezers can withstand high volume of autoclavings. Application include microelectronics, TEM staining, immunogold work, electro-chemistry and nanotechnology work.</p>		<p><b>Handle Coating: NE</b> <b>Tweezers: SA - C</b> e.g. 2A.SA.NE</p> <hr/> <p><b>Tip coating: DC</b> <b>Tweezers: SA - C - NC - TA</b> e.g. 2A.SA.DC</p> <hr/> <p><b>Handle grip: DR - DN</b> <b>Tweezers: SA - C - NC</b> e.g. 2A.SA.DR</p> <hr/> <p><b>Full body coating: T</b> <b>Tweezers: SA</b> e.g. 2A.SA.T</p> <hr/> <p><b>Full body coating: GP</b> <b>Tweezers: SA - BR</b> e.g. 2A.SA.GP</p>

# Tweezer categories (Core Tweezers)

CATEGORY DESCRIPTION		MOST POPULAR STYLES		MATERIALS
<b>CUTTING TW</b> 	<p>Made from High Grade Carbon Steel for superior high precision cutting edges, these tweezers feature a tapered narrow design for narrow working spaces and are available with angled blades, predominantly angled blades, parallel blades, rounded tips, hard metal carbide blades and miniature size. Applications include cutting soft wires such as copper, gold, silver as well as magnetic wires and hard hairsprings.</p>	 14A  14AGW  152	 15AGW  15AGHM  15ARW	C - S
<b>PLASTIC TW</b> <b>PLASTIC REPLACEABLE TIPS</b> 	<p>Specially designed for the electronics industry, these tweezers feature durable and self-aligning replacement tips, anti-magnetic stainless steel handles and are available with a variety of tip geometries and materials: they offer a significant cost savings. Excellent for handling sensitive electronic components, and ceramic and glass parts where non-metallic non-scratching is critical.</p>	 2A  5  7	 242  249  259	<b>Handle: SA</b> <b>Tips: CF - CP - SV - DG</b> e.g. 2ACFR.SA
<b>FULL PLASTIC</b> 	<p>Cost-effective alternative to metal tweezers for sensitive applications and handling scratch sensitive electronic parts, glass and ceramic substrates. Lightweight, strong and sturdy material make them ideal for forensic, electronic and sample preparation applications.</p>	 702A  705	 707  709	CF - SV - DG - LC - LR
<b>CERAMIC TW</b> <b>CERAMIC REPLACEABLE TIPS</b> 	<p>Zirconia ceramic tips (MZ) and ESD safe ceramic tips (ZJ) are contamination free as well as high temperature, wear and solder resistant. They feature alignable replaceable tips with stainless steel handles. High precision tips for high temperature applications and handling of sensitive components, ceramic and glass parts where non-metallic non-scratching is critical.</p>	 2A  7	 71  72	<b>Handle: SA</b> <b>Tips: MZ - ZJ</b> e.g. 2AMZ.SA
<b>FULL CERAMIC</b> 	<p>Made from Zirconia for a superior combination of high strength and flexibility. Very hard surface, good abrasion and wear resistance, excellent thermal properties, high temperature stability and extreme corrosion resistance. Suitable for handling of components during thermal, chemical and soldering processes. Ideal for applications in clean rooms, chemistry, semiconductor and electronics manufacturing, analytical chemistry, biotechnology and nanotechnology.</p>	 7	 00	PSZ
<b>ECONOMY TW</b> 	<p>The most popular tweezers are also available in economical version at a very competitive price. Made in Asia and re-worked for a consistent performance.</p>	 00  2A  3	 5  7  SS	SA