



TRAINING PROGRAM

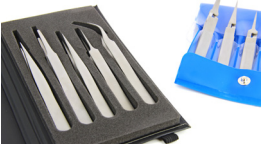
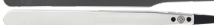
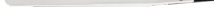
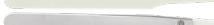
02. TWEEZER CATEGORIES

(part 2)

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Tweezer categories and materials



							
		REVERSE ACTION TWEEZERS	SMD TWEEZERS	WAFER TWEEZERS	MINI TWEEZERS	BOLEY TWEEZERS	TWEEZER KITS
	DX	●	●	●	●	●	●
	CX	●	●	●	●	●	●
	SA	■	■	■	■	■	■
	S	■	●	●	■	■	■
	C	●	●	●	●	■	●
	NC	■	●	●	●	●	■
	TA	●	●	●	●	■	■
	N	●	●	●	●	●	●
	BR	●	●	●	●	●	●
	PB	●	●	●	●	●	●
	CP	■	●	■	●	●	●
	CF	■	●	●	●	●	■
	SV	■	●	■	●	●	■
	DG	●	●	●	●	●	■
	LC	●	●	●	●	●	●
	LR	●	●	●	●	●	●
	MZ	●	●	●	●	●	●
	ZJ	●	●	●	●	●	●
	PSZ	●	●	●	●	●	●

Tweezer categories (Special Tweezers)

A tool is the extension of a man's hand to concentrate force and to help carry out a variety of tasks. Tweezers are an extension of our fingers to grab, grip, place, remove or hold items that are too small or delicate for our fingers to be easily handled. In scientific or medical context they are normally referred to as forceps. As every application is different, several tip sizes, geometries, tweezer materials and quality are required. To facilitate different applications, tweezer tips can be flat, straight, bent, round, pointed, curved or square and the tweezer bodies can be straight, bent, curved or angled.

REVERSE ACTION TW

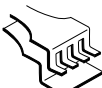
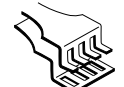
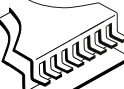


SMD TW



WAFER TW



CATEGORY DESCRIPTION	MOST POPULAR STYLES		MATERIALS
Uniform tension in handling small fragile parts for extended periods of time without finger strain. Specially intended for applications where a high precise self-closing action is required such as in microscopy and assembly applications.	 2A  3  4	 5  5A  7	Full body: SA - S - NC e.g. 2AX.SA or Handle: SA Tips: CF - CP - SV e.g. 2AXCFR.SA
The variety of tips and angles available on SMD Tweezers allow for smooth handling and positioning of all Surface Mount Device components. Satin antiglare finish and ergonomic design. Available as reverse action model. Ideal for electronics assembly, labs, clean rooms and circuit board repair and rework.	 SM103  SM104  SM107	 SM108  SM111  SM115	Full body: SA e.g. SM108.SA or Handle Coating: NE Tweezers: SA e.g. SM108.SA.NE
The several tip shapes and sizes are designed to handle thin and delicate substrates like glass, metal and silicon wafers while avoiding scratching or breaking of thin layers. Tip sizes are available from 5 to 65 mm width. Teflon coating (full body), plastic tips as well as special designs are available for specific applications.	 2WF  3WF  4WF	 4WFG  48WF  85C	Full body: SA e.g. 2WF.SA or Handle: SA Tips: CP - SV e.g. 2WFCPR.SA or Full body coating: T Tweezers: SA e.g. 2WF.SA.T

Tweezer categories (Special Tweezers)

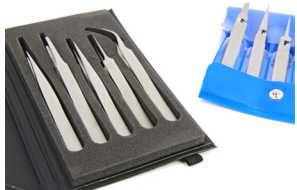
MINI TW



BOLEY TW



TWEEZER KITS



CATEGORY DESCRIPTION	MOST POPULAR STYLES		MATERIALS
Short fine tip tweezers without the excess bulk of long tweezers. Very light, ergonomic tweezers ideal for working into tight spaces, under the limited working area of a microscope and for short range precision work. Applications include: specimen handling, microscopy preparation, sorting, precision manufacturing, electronic assembly, watch making, general laboratory, biological and medical applications.	 00  2  2A	 3  5	Full body: SA - S e.g. M2A.SA
General purpose tweezers available in different materials for specific applications. All shanks are tapered and have beveled edges. The sharp points have received some finishing at the tips.	 AA  BB	 GG  MM	Full body: SA - S - C - TA e.g. AA.SA or Handle Coating: NE Tweezers: SA e.g. AA.SA.NE
Ideal-tek offers an assortment of tweezer kits specially comprised to match specific needs and applications. Applications include SMD handling and repair and micro assembly. Specific tasks include moving, gripping and manipulating fine wires, substrates, leads, components and other small parts too delicate, small or sterile to be handled by human fingers. Ideal for labs, cleanrooms, electronics assembly applications and circuit board rework/repair.	HIGH PRECISION TW  ECONOMY TW  REVERSE ACTION TW 	ESD SAFE EPOXY COATED TW  PLASTIC TW  SMD TW 	Full body: SA - S - TA - NC - S - CF - DG - SV e.g. K5HP.SA or Handle Coating: NE Tweezers: SA e.g. K3.SA.NE or Handle: SA Tips: CF e.g. KCFR or Tip Coating: DC Tweezers: SA e.g. K5HP.SA.DC



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