

# MPT Probes

Multi-purpose tools for electronics, chemistry and watchmaking.

Applications:

- » probe for lead-free soldering operations
- » positioning aid tool for assembly operations
- » spatula for applying adhesives, dosing chemicals in labs
- » stirring rod for the preparations of adhesives, solutions
- » scraper to remove solder masking agents, rubber latex, adhesive coatings
- » microscopy sampling applications

Probes are wear resistant and the soft tips do not scratch delicate surfaces.

Available in three different types and materials or a complete set.



### MPT1R

Rounded body - Fine tip and flat strong tip  
Length: 150 mm, 5.90"



### MPT2

Squared body - Curved fine tip and flat strong tip  
Length: 150 mm, 5.90"



### MPT3

Squared body - Flat fine sharp tip and flat large fine tip  
Length: 140 mm, 5.51"



### MPT123

Kit of MPT1R, MPT2, MPT3

Model	Material		
	CP	SV	NY
<b>MPT1R</b>	MPT1RCP	MPT1RSV	MPT1RNY
<b>MPT2</b>	MPT2CP	MPT2SV	MPT2NY
<b>MPT3</b>	MPT3CP	MPT3SV	MPT3NY
<b>MPT123</b>	MPT123CP	MPT123SV	MPT123NY

## Different materials available

### High-performance plastic type CP

- » PEEK polyetheretherketone reinforced with carbon nano
- » very hard, rigid, high tensile and flexural strength, very high wear resistance
- » high heat capability (260-300°C), good dimension stability, low thermal linear expansion coefficient
- » excellent resistance to chemicals and aggressive agents, excellent resistance to thermal ageing
- » ESD-safe material  $10^6$  Ohm
- » typical applications include handling of components in cleaning/chemical/assembly processes also at high temperature (soldering)

### High performance plastic type SV

- » PVDF polyvinylidene fluoride carbon fibre reinforced
- » excellent mechanical strength and toughness
- » smooth surface
- » heat stabilized, high heat capability, continuous use temperature up to 150°C
- » high purity (clean room and medical devices approved, low extraction value)
- » excellent chemical resistance to most aggressive substances (mineral and organic acid) and solvents (hydrocarbons, alcohols, halogenated), resistant to halogens
- » outstanding resistance to hydrofluoric acid (40% conc., 90°C), nitric acid (50% conc., 90°C), hydrochloric acid (36% conc., 90°C)
- » high abrasion resistant
- » resistant to UV and nuclear radiation (sterilisation)
- » ESD safe material, (avoid powder attraction, sparks generation, ignition sources)
- » typical applications include handling of very scratch- and contamination-sensitive components, cleaning and etching processes

### Engineering plastic type NY

- » PA66/GF50 polyamide 66 reinforced with 50 wt% glass fibre
- » high strength, fatigue, wear and creep resistance
- » heat stabilized, good heat capability
- » good chemical resistance (oils, grease, fuels, non polar solvents); not resistant to strong acids, alkalis and hot water or steam
- » insulative