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.

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<th>Model</th>
<th>Material</th>
<th>CP</th>
<th>SV</th>
<th>NY</th>
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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