

Soldering Methods Comparison Table

Applicability of Soldering Methods and Solder Types

Soldering Method \ Solder Type	Sheet Solder (Tweezers/ Titanium Rod/ Brush Placement) Small Parts, Precise Application	Wire Solder (Tweezers/ Titanium Rod/ Brush Placement/ Feeding) Long Seams, Large Areas, Extended Heating	Ball Solder (Brush/ Titanium Rod Placement) 3D Spot Soldering, Curved Surfaces, Micro-Precision Seams	Solder Paste (Brush Application/ Needle Dispensing) Multiple Joints, Simultaneous Heating
Sheet Soldering	✓ Common Combination	✓ Can Be Flattened for Use	✓ Suitable for Small Areas	* Usable for Specific Requirements
Wire Soldering	* Usable in Special Cases	✓ Standard Combination	✓ Suitable for Small Areas	* Not Recommended for Excessive Use
Feeding Soldering	✓ Feed When Seam Reaches Temperature	✓ Continuous Feeding After Preheating Seam	* Rare	* Needle Not Recommended for Flame Contact
Flow Soldering	* Lay Sheet and Heat for Flow	✓ Cut Wire, Lay, and Heat for Flow	✓ Standard Combination	✓ Solder Paste Has Flow Properties, Suitable for Small Areas

