



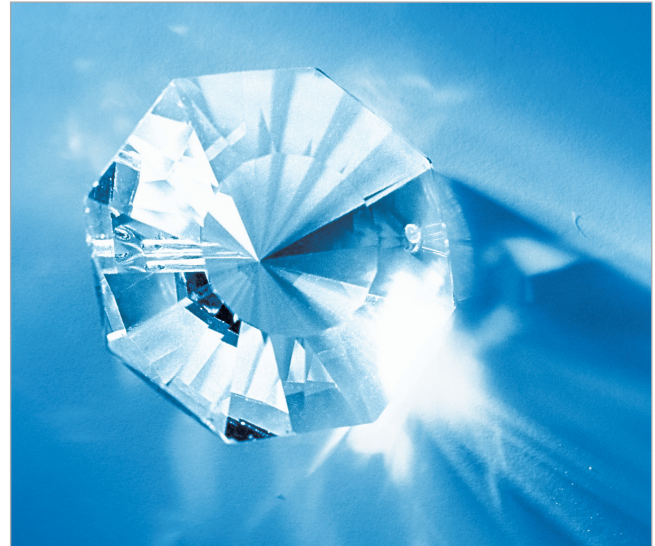
DIAMOND SOLDERING TIPS FOR THE TD-100 AND HTD-100 SOLDERING IRONS

"Diamond Series" tip heater cartridge soldering tips are now available for the TD-100 and HTD-100 soldering irons. PACE's Diamond Tips feature the benefits of two of PACE's U.S. patents. Diamond tips are designed for maximum life, even when using corrosive lead free solders, and for maximum heat transfer putting highly productive soldering within reach easily.

Traditionally, soldering tips are manufactured by forming the desired shape of the tip out of copper, then plating the copper with a protective layer of pure iron. Next, a layer of nickel/chrome is selectively plated on the tips to prevent the entire tip from wetting with solder which defines the working area of the tip. The problem with traditional tips is that iron is a poor conductor of heat compared to copper and copper is not as durable as iron, so there is a fine balance that needs to be maintained. If too much iron is added, it will prevent a tip from working well, and if too little iron is added the tip will fail quickly.

PACE's new Diamond Series tips differ from traditionally made tips because we combine submicron sized particles of natural diamond with the iron plating solution that results in a composite, protective layer of iron and diamond particles. The diamond enriched matrix is harder than pure iron and will not wear down as quickly as the tip is abraded. Diamond tips can withstand the corrosive environment of lead free solders and high temperatures far better than soldering tips plated with iron alone. Because the diamond particles are an integral part of the iron matrix and not a coating, they can not wear off. Additionally, the resulting surface of the tip is not smooth but is micro-textured that eases wetting with solder and reduces the formation of oxidation. PACE's new Diamond Tips offer extended tip life, faster wetting, and effortless cleaning.

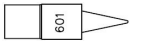
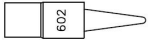

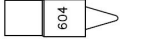
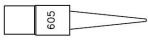
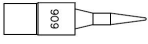
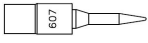
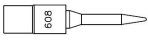
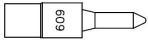
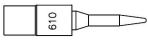
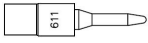
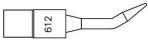
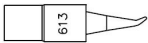
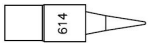
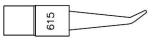
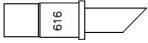
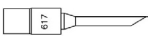
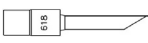

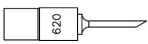
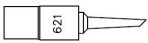
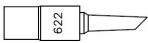
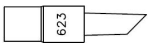
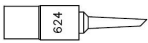
In addition to the patented plating matrix, all Diamond Series tips feature an increased thermal mass and higher wattage heater to really deliver the heat better than ever before! These are ideal for high mass and/or high volume applications! PACE continues to lead the industry by continually developing technology to improve soldering performance. With the 48 available Diamond Tips, it is now easier than ever to find the perfect, high performance tip for your application.

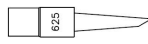
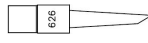
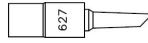
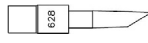
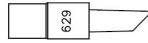
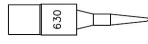
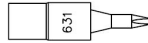
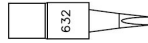
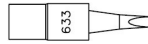
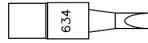
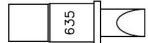
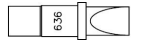
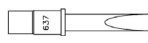

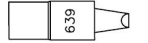

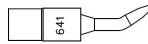

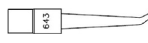
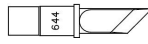
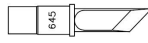
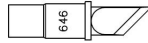
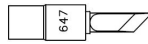
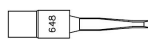




PACE'S HIGH PERFORMANCE "DIAMOND" SOLDERING TIPS



| PROFILE | DESCRIPTION | PART NUMBER |
|---|---|--------------|
|  | .016 Conical | 1126-0601-P1 |
|  | .039 Conical | 1126-0602-P1 |
|  | .055 Conical, Blunt | 1126-0603-P1 |
|  | .031 Conical, Blunt | 1126-0604-P1 |
|  | .016 Conical, Long | 1126-0605-P1 |
|  | .016 Conical | 1126-0606-P1 |
|  | .016 Conical, Extended | 1126-0607-P1 |
|  | .024 Conical | 1126-0608-P1 |
|  | .039 Conical | 1126-0609-P1 |
|  | .031 Conical | 1126-0610-P1 |
|  | .047 Conical | 1126-0611-P1 |
|  | .039 Conical | 1126-0612-P1 |
|  | .016 Conical, Blunt, Bent | 1126-0613-P1 |
|  | .016 Conical, Blunt | 1126-0614-P1 |
|  | .016 Conical Extended, Bent | 1126-0615-P1 |
|  | .157 Bevel, 45 Degree | 1126-0616-P1 |
|  | .078 Bevel, 60 Degree | 1126-0617-P1 |
|  | .118 Bevel, 60 Degree | 1126-0618-P1 |
|  | .157 Bevel, 45 Degree Tinned on edge/face | 1126-0619-P1 |
|  | 60 Degree Bevel, Extended | 1126-0620-P1 |
|  | .039 Bevel, 45 Degree Tinned on edge / face | 1126-0621-P1 |
|  | .078 Bevel, 45 Degree Tinned on edge / face | 1126-0622-P1 |
|  | .118 Bevel, 45 Degree Tinned on edge / face | 1126-0623-P1 |
|  | .039 Bevel, 45 Degree | 1126-0624-P1 |

| PROFILE | DESCRIPTION | PART NUMBER |
|---|---|--------------|
|  | .06 Wide, Bevel 60 Degrees, .12x.06 Oval Face | 1126-0625-P1 |
|  | .07 Bevel, 60 Degree | 1126-0626-P1 |
|  | .078 Bevel, 45 Degree | 1126-0627-P1 |
|  | .13 Bevel, 60 Degree | 1126-0628-P1 |
|  | .118 Bevel, 45 Degree | 1126-0629-P1 |
|  | .023 Bevel, Special | 1126-0630-P1 |
|  | .031 Chisel Standard | 1126-0631-P1 |
|  | .047 Chisel Standard | 1126-0632-P1 |
|  | .062 Chisel Standard | 1126-0633-P1 |
|  | .094 Chisel Standard | 1126-0634-P1 |
|  | .157 Chisel Standard | 1126-0635-P1 |
|  | .205 Chisel Standard | 1126-0636-P1 |
|  | .157 Chisel Long Reach | 1126-0637-P1 |
|  | .205 Chisel Long Reach | 1126-0638-P1 |
|  | .078 Chisel Blunt | 1126-0639-P1 |
|  | .125 Chisel Blunt | 1126-0640-P1 |
|  | .055 Chisel, Bent 30 Degrees | 1126-0641-P1 |
|  | .062 Chisel, Bent 30 Degrees | 1126-0642-P1 |
|  | .055 Chisel, Bent, Extended | 1126-0643-P1 |
|  | .185 Knife, 45 Degree | 1126-0644-P1 |
|  | .181 Knife, 45 Degree | 1126-0645-P1 |
|  | .185 Knife, 45 Degree, Blunt | 1126-0646-P1 |
|  | .188 Knife, 45 Degree | 1126-0647-P1 |
|  | Single Sided Chisel .08 Wide | 1126-0648-P1 |

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