

Press Release

Advanced Probing Systems, Inc. Large Diameter Pin Capabilities

Boulder, CO – January 2002:
Advanced Probing Systems, Inc. (“APS”) is pleased to announce the company’s expansion into large diameter pins. APS’s expanded product line now includes pins in diameters as small as .002” and as large as 0.80”.

APS’s capabilities include grinding, electro-chemical etching and forming. These processes can be used individually or combined to produce the optimal, most cost-effective pin for a variety of applications. APS can also assist in the selection of the optimal wire material and tip finish. Tip shapes can be sharp-tipped, flat-tipped (diameter), rounded (radius), formed or shaped. APS pins are currently used as spotting pins in micro arrays and as

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electrodes in medical applications.

APS’s historic expertise in supplying small diameter, precision probes to the wafer test industry allows the company to provide consistent, high quality large diameter pins to the medical and scientific community. All pins produced by APS are subject to strict in-process quality assurance procedures designed to produce consistent parts with tight tolerances. APS’s optical inspection system uses magnifications as high as 338x



Figure 1: Tungsten pins with diameter tips formed by grinding (left) or etching (right). Customers may choose the finish whose surface texture produces optimal results. Pins are also available with silver, gold or nickel plating and with TIP-M, APS’s proprietary polymeric coating.

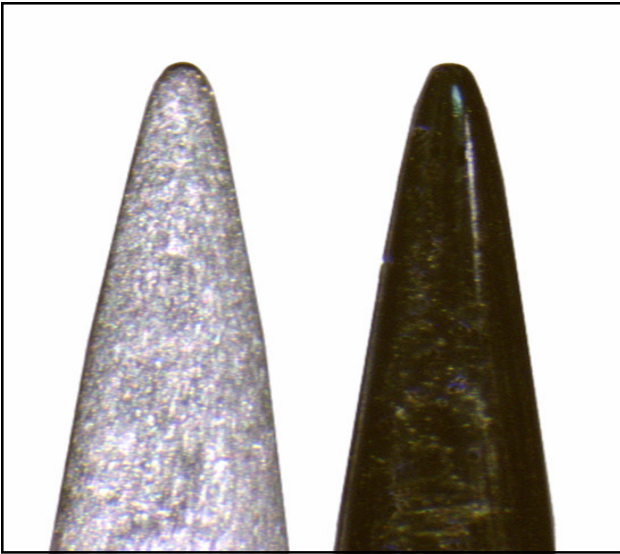


Figure 2: Tungsten pins with radius tips in a matte (left) and polish (right) finish.



Figure 3: Large diameter pins with sharp tips in a matte (left) and polish (right) finish.

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Advanced Probing Systems, Inc., can provide you with high quality, consistent pins for a variety of medical and scientific uses. The company’s technical support can assist in the selection of the appropriate material and the selection of the optimal process to produce a pin with the properties and tolerances required in a variety of applications. Contact Advanced Probing Systems, Inc. to discuss your pin requirements.

Please direct any questions and/or requests for additional information to:

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