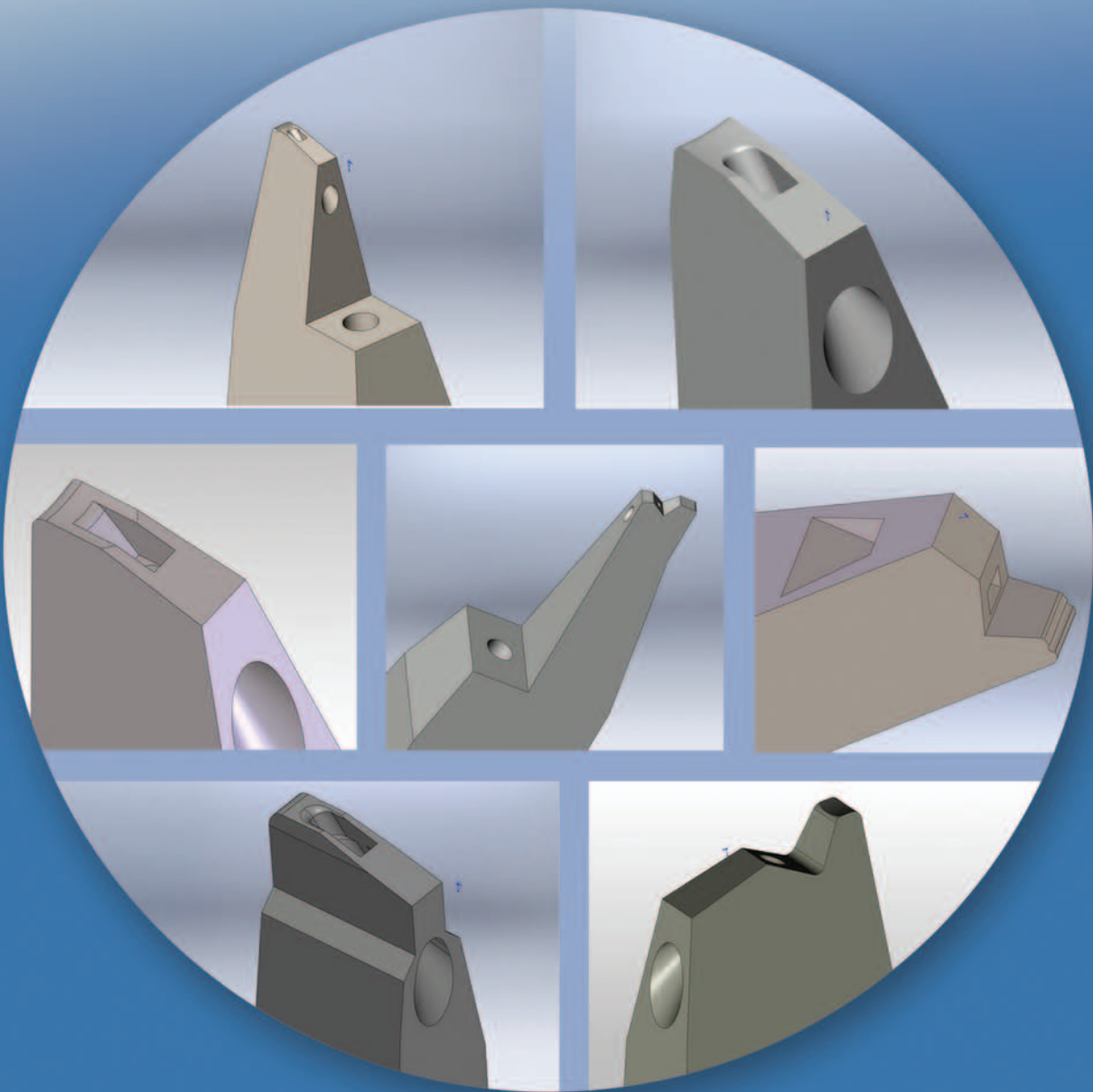




Wedge Bonding Tools



Catalog No. 90000-0005-000 0411

Wedge Bonding Tools

Introduction

The wedge bonding process is a common interconnection technology among other interconnection methods such as ball bonding (using capillaries), TAB, Flip-Chip and others.

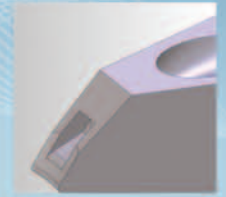
Although there have been significant breakthroughs in the development of innovative bonding solutions, wedge bonding remains the most popular method for applications that use Aluminum wire. Wedge tools are manufactured from several types of carbide materials such as Tungsten Carbide for Aluminum wire applications and Titanium Carbide, which extremely useful for Gold wire wedge bonding. New grades of TiC materials are also available for special Fine Pitch Au wire applications.

Micro Point Pro offers its customers:

- Manufacturing wedges in high precision and high repeatability, using Electro-Discharge Machining (EDM) processes.
- Design and Production of a complete line of standard and custom wedge tools down to 40µm bond pad pitch.
- Wedge tools that will fit all applications and all types of wedge bonding machines.
- Unlimited capacity to support customer demand.
- Short lead time to fulfill customers' demands.
- High quality wedges that brings best performances and bonding results.

Standard Wedge Style

The 4WA wedge models are designed to fit the majority of common applications as well as most of the automatic wedge bonders employed in the industry.



COB Wedge Style

The 4WC wedge models are specially designed to fit COB (Chip On Board) applications.



Fine Pitch Wedge Style

The 4WF wedge models are designed for Fine Pitch applications usually performed on automatic machines.



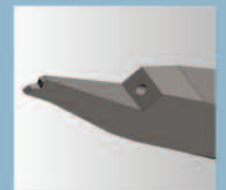
Deep Access Wedge Style

The 4WD wedge models are intended for Deep Access packages with high or closely positioned walls.



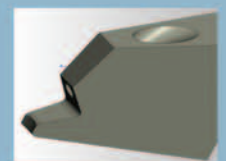
Deep Access Wedge Style Notch design

The 4WV wedge models are similar to the Deep Access wedge style and intended for deep access packages with tight package dimensions.



Notch Wedge Style

The 4WN wedge models are specially designed for Microwave and Hybrid applications. This unique configuration allows minimal stress on the wire.



Ribbon Wedge Style

The 4WR wedge models are designed to fit applications using ribbon wires. They feature a rectangular hole in which the ribbon can flow easily.

