

FOR IMMEDIATE RELEASE

**Palomar Technologies Features High Throughput Automated Gold Bumping
at SEMICON Taiwan 2007**

Carlsbad, Calif. – September 4, 2007 – Palomar Technologies, provider of precision automation equipment, and process development and assembly services for microelectronic assembly, will feature its Model 8000 for high throughput automated gold ball bumping at SEMICON Taiwan, in hall 1 booth number 190, from September 12 – 14, 2007.

The model 8000 represents the latest advances in gold ball bumpers, incorporating leading-edge mechanical design, control architecture, and graphical user interface to provide the highest net throughput and flexibility of any comparable tool on the market today. At SEMICON Taiwan, the model 8000 will feature dual wafer stages, an improved operator interface, and LCD programming screen.

Palomar's single process co-planar gold bumper is the only gold bumper that can produce planarized gold bumps in one step. The 8000 uses a unique bond-head motion (patented dual Z-axis with rotary motion) to form precise gold bumps by repeatably shearing the wire off the top of the bump without leaving a tail. This allows the formation of flat bumps, eliminating the need for a secondary coining process. Set-up time and fixturing are minimized by "soft tooling" achieved with Windows[®]-based software, which enables changes in ball array, position, and shapes to match the desired attach process.

About Palomar Technologies

Palomar Technologies (formerly part of Hughes Aircraft Company) is one of the world's principal suppliers of automated high-precision wire bonders and component placement systems along with process development and assembly services to increase yield and lower costs for manufacturers of optoelectronic, RF, and microelectronic packages in the semiconductor, photonics, wireless, microwave, automotive, aerospace, medical, and life sciences industries.

For more information on **Palomar Technologies and Palomar Microelectronics**, visit <http://www.palomartechnologies.com> or contact 760-931-3600.

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Contact the Palomar office in your area:

Palomar Technologies, Inc.
Bradley Benton
2728 Loker Avenue West
Carlsbad, CA 92010
Phone: (760) 931-3600
Fax: (760) 931-5191
bbenton@bonders.com

Palomar Technologies Pte Ltd
Wai Seng Chew
Phone: (65) 6779 2766
Fax: (65) 6779 7939
wschew@bonders.com

Palomar Technologies GmbH
Josef Schmidl
Phone: 49-9131-48009-30
Fax: 49-9131-48009-55
jschmidl@bonders.com

A•R Marketing, Inc. (Agency)
Andrea Roberts
Phone: (858) 451-8666
Fax: (858) 683-2083
andrea@armarketinginc.com