

Tamar Technology Provides Non-Destructive TSV Depth Measurement



Tamar Technology's new Wafer Thickness Sensor (WTS) provides a non-destructive solution for measuring deep etch and Through Silicon Via (TSV) depth with unlimited aspect ratios.

May 6, 2009 - [PRLog](#) -- Contacts:

David Grant

Tamar Technology

805-480-3358

dgrant@tamartechnology.com

www.tamartechnology.com

Diane Rumbaugh

Rumbaugh Public Relations

805-493-2877

diane@rumbaughpublicrelations.com

FOR IMMEDIATE RELEASE April 6, 2009

Tamar Technology provides non-destructive TSV depth measurement down to 1um for 3D packaging

NEWBURY PARK, CALIF.--Tamar Technology's new Wafer Thickness Sensor (WTS) provides a non-destructive solution for measuring deep etch and Through Silicon Via (TSV) depth with unlimited aspect ratios.

The TSV depth measurement performance of Tamar's WTS is being qualified with major IDM's, foundries and equipment suppliers. Its WTS measures TSV diameters down to 1 micron with unlimited depths, meaning aspect ratio concerns are eliminated.

"The measurement capability of the WTS allows semiconductor manufacturers to qualify their process across the wafer in a timely and cost effective manner that improves the overall utilization of the etch line," says David Grant, president of Tamar Technology. "Etch depth uniformity can now be verified in minutes in a non-destructive manner, allowing instant feedback for etch recipe generation."

The high speed data rates of Tamar's WTS allow it to be integrated into the Wafer etching tools, improving manufacturing yields and tool utilization by measuring the depth of an etch process immediately after etching. "This in-situ measurement capability gives real time process control where none existed before," says Grant.

In addition to TSV and deep etch measurements, Tamar's WTS measures wafer thickness for single or stacked wafers in applications such MEMS, SOI and wafer thinning operations where TSVs are exposed.

The WTS is offered through Tamar's WaferScan Series or as an OEM module for integration into etching, grinding equipment and related process equipment.

Tamar Technology, based in Newbury Park, California, is a metrology company specializing in precision metrology systems for the semiconductor, hard disk drive and medical device industries. For more information, contact David Grant at (805) 480-3358, dgrant@tamartechnology.com.

###

Tamar Technology, based in Newbury Park, California, is a metrology company specializing in precision metrology systems for the semiconductor, hard disk drive and medical device industries.

--- End ---

Source	Tamar Technology
City/Town	Newbury Park
State/Province	California
Zip	91320
Country	United States
Industry	Technology , Semiconductors
Tags	Tamar Technology , Semiconductors , Wafer , Wafer Thickness Sensor , Etch Measurements , Newbury Park
Link	https://prlog.org/10231156



Scan this QR Code with your SmartPhone to-
* Read this news online
* Contact author
* Bookmark or share online