



# Paving the Way toward MEMS Production

## Overview



### Asia Pacific Microsystems, Inc.



APM is a pure-play MEMS foundry established in 2001 and is one of the leading MEMS foundry service providers with a 27,000 square-foot production fab. By utilizing its complete MEMS process modules and technology platforms as building blocks, APM can achieve fast prototypes and production for various MEMS devices, including sensors, actuators and microstructures used for consumer, automotive, industrial, communication and biomedical applications.

APM's expertise on Membrane Stress Control, High Aspect Ratio Structure, Sacrificial Layer Release, Thermal Isolation Device for IR sensing, Piezoresistive Sensing Element, SOI Micromachining, Wafer Level Encapsulation, Wafer Bonding, CMOS & MEMS Integration, and Post-CMOS Process will provide the pathway to success for your MEMS development and production needs.

APM is located in Hsinchu Science Park in Taiwan and utilizes the dedicated MEMS capabilities to establish extensive MEMS manufacturing experience over the years. With systematic approach in product introduction process combined with the quality management system throughout the organization, APM can assure short cycle time and high manufacturing quality.

More information can be found on the Internet at

[www.apmsinc.com](http://www.apmsinc.com)

*K. H. Jao*

President

# Assurance Quality



Automotive grade Quality

High volume Capacity

## Quality Assurance at APM :

APM builds quality into all aspects of operation and is aiming at meeting total customer satisfaction.

## Quality Policy :

To build the total customer satisfaction and world class manufacturing technology through the process of continuous improvement.

## Quality Management System at APM :

- IATF16949 and ISO 9001 certified; RoHS compliant
- Full employment of APQP and PPAP for process design and qualification
- FMEA and Control Plan deployment at pre-MEMS production and mass production stages
- Real-time SPC system for process key note monitoring and MSA study on measurement instruments.

## Failure Analysis Capability :

- Scanning Electron Microscope with EDX spectroscopy
- Metallurgical and Stereo Microscope
- Probe Station
- Sample Polishing



Quality Management Systems  
to Achieve High Quality in Production