Your Microelectronic Package Assembly Solution for MEMS Sensors

smartmicrosystems.com
SMART Microsystems creates turn-key solutions for microelectronic package assembly challenges to move your MEMS sensor technology from development to production. With an engineering team experienced in manufacturing and state-of-the-art facilities, SMART Microsystems accelerates the transition of your new MEMS sensor product to the market.

**CAPABILITIES**

Microelectronic package assembly is a key part of the manufacturing process for MEMS sensor products. Our core capabilities and expertise support development, testing, and manufacturing of designs provided by our customers. For niche applications, package assembly solutions offer more flexibility, faster lead times, and lower cost than system on chip approaches.

**TEST AND INSPECTION**

- Acoustic Microscopy
- 3D X-ray
- Interferometry
- Scanning Electron Microscopy

**DICING**

- Wafer Saw
- Wafer Inspect
- Die Sort

**DIE ATTACH / FLIP CHIP**

- Epoxy Die Attach
- Solder Flip Chip
- Vacuum Solder Reflow

**WIRE BONDING**

- Fine Gauge Wire/Ribbon Bonding
- Heavy Gauge Wire/Ribbon Bonding
- Gold Ball Bonding

**ENCAPSULATION**

- Adhesive Dispense
- Lid Seal
- Parylene Coating

**ENVIRONMENTAL LIFE TEST**

- HAST
- Thermal Shock
- Thermal/Humidity Cycling
- Accelerated UV Durability
- High Temperature Storage

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SMART Microsystems focuses on microelectronic package assembly of MEMS sensor products to accelerate your time-to-market.

SMART Microsystems is a turn-key solution for microelectronic package assembly with state-of-the-art facilities for prototyping, environmental life test, and manufacturing services.
ABOUT US

SMART Microsystems is located in Elyria, Ohio about 20 miles west of Cleveland. The business was launched in 2011 and moved into a brand new facility in 2013, where we occupy over 15,000 square feet of space including 5,000 square feet of ISO 6 (class 1000) and ISO 5 (class 100) cleanrooms. With excellent technical leadership, our highly experienced team will bring your new MEMS sensor products to the market.

Call us today at **440-366-4203** or visit our website at smartmicrosystems.com for more information about SMART Microsystems capabilities and services.