GMCH Kokomo Semiconductors has long been known as the Integrated Circuit Manufacturing division of General Motors, Delco Electronics and Delphi Automotive Systems. This rich history has made Kokomo Semiconductors a global leader supporting the automotive semiconductor industry for over five decades. We have transformed our business model from that of a captive supplier to actively opening our doors to reach new markets, building new industry relationships by providing high quality wafer level and package IC testing in addition to backend wafer processing services.

Manufacturing Services
- Experienced engineering and manufacturing staff coupled with the installed base of test platforms are capable of handling key device technologies including Digital, Analog, Linear, Power and Mixed Signal
- Post wafer fabrication solutions in optical wafer inspection, wafer mount, dicing, die sort, lead scan / tape & reel
- Wafer bumping process for flip chip technology
- Continuous turnkey operations in a controlled raised floor facility

Platforms
- Teradyne, LTX, SZ, Eagle, Fairchild
- TEL, EG4090, EG2001
- Multitest, DeltaFlex, MCT, Daymarc, Aseco
- Camtek, August, Disco, K&S
- Dymatix, Muhlbauer, Alphason, ASTI

Package Test
- Automated handlers to support various package configurations coupled with multisite capability
- Hot and cold automated testing (-55°C to 150°C)

Custom Test Processing & Flows
- Characterization data collection
- Endurance and data retention testing

Wafer Probe
- 125mm, 150mm and 200mm wafers with multisite capability
- Wafer mapping for offline ink and inkless probe
- Hot probe capabilities to 240°C
- Bumped Wafers, Silicon on Glass, Double Stack, Dicing Frame

Testing and Sorting Services

Engineering Services
- Kokomo Semiconductors’ test engineering staff has over 300+ years of combined experience in providing engineering services for all phases of your device test and manufacturing process
- We support all device technologies in test program development, characterization, qualification, initial production, and volume production

Software Development
- Test program development with ASIC, IGBT, Logic, Mixed Signal, MEMS, BCDMOS (SmartPower)
- Tester platform and multi-site conversions
- Hardware design, development and equipment selection
- Assist with developing a qualification plan
- Design and implement test for quality and reliability

Product Engineering Support
- Electrical test characterization (hot and cold temps)
- Electrical test data analysis tools and support
- Failure Analysis
- Yield Analysis
- Black Belt and Shainin engineering resources

Test System Development
- Prober / Handler interface to tester
- Operator Interface

ISO 14001 / TS16949 certified

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