

Building the car of the future... today!



www.uic.com | email: universal@uic.com

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AMERICAS

Tel. 1-800-432-2607

Tel. +1-607-779-7522

EUROPE

Tel. +421-2-4930-96-60

CHINA, SHENZHEN

Tel. +86-755-2685-9108

CHINA, SHANGHAI

Tel. +86-21-6495-2100

PENANG, MALAYSIA

Tel. +60-4-644-7067

Sensor Assembly, MEMS – Radar, Cameras, LIDAR, Ultrasound, Pressure Sensors

Versatile device handling, feeding and substrate management maximizes quality and OEE

- Stringent traceability and regulatory requirements: IQ360™ Intelligent Factory Software Suite
- Multiple processes: pick-and-place, dispense, inspection: Uflex™ multi-process platform
- Placement of die, cases, shields, passives: APL process expertise for solution optimization
- Fragile die and substrate handling: Low-force, look-before-pick, top-side alignment, and post-inspection features to achieve highest yield

Intelligent Power Management Module – Die Attach, DBC, Lead Frame, Heat Sink, Base Plate

High-accuracy, multi-component, multi-process single platform maximizes OEE

- Multiple pick-and-place process stations: Standard Fuzion® high-precision platform and Uflex multi-process platform
- Many automation and high-accuracy processes: 0.2 x 0.2mm – 150 x 150mm component range
- High-volume production demand: Highest utilization and throughput
- Mix of component types and sizes: Look-before-pick, top-side alignment, and post-inspection features to achieve highest yield

High-Accuracy LED Headlamp – TAP, Substrate Assembly, Housing Assembly

High-throughput assembly with highest yield for applications requiring top-side feature alignment

- Multiple processes: pick-and-place, dispense, inspection, screw driving, plasma cleaning: Uflex multi-process platform
- Throughput with accuracy: Flexible vision image capture and processing
- Non-standard fiducials: APL process expertise for solution optimization
- Accurate top-side vision: Dedicated TAP hardware for accuracy and speed

Electronic Control & Relay Modules – Engine Control, Transmission Control, Voltage Regulators/ Inverters, Suspension/Traction Control, Climate Controls

Automating traditionally manual processes for high-quality common solutions worldwide

- Module reliability: Increasing quality and OEE
- Component verification and traceability: IQ360 Intelligent Factory Software Suite with open architecture for third-party integration
- Wide range of component sizes: Flexible automation cells with wide range of feeding solutions

AUTOMOTIVE VIDEO ([click here](#))

