

SILTERRA

LEADING FOUNDRY SOLUTIONS IN A CONNECTED WORLD

CUSTOMIZED FOUNDRY SERVICES

For customer-specific proprietary devices

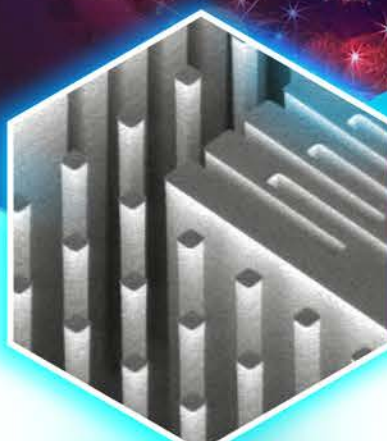
Full support of process transfers from R&D lab to SilTerra

Process development for customers from conceptual stage to product level

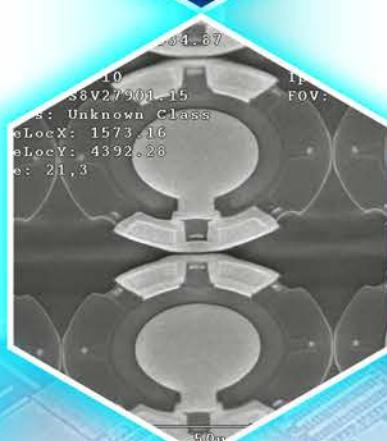
Flexibility for new tools and metrology investments based on business case

Robust process matching for optimized manufacturability, yield and reliability

Volume manufacturing



MEMS/SENSORS/LIFE SCIENCES BUSINESS MODEL



MEMS DEVICES & INTEGRATED SOLUTIONS

Truly monolithic solutions based on SilTerra's patented device architecture

For targeted market / customer driven applications

Availability of standard silicon validated cells

Development of collaborative partnerships for downstream processes (testing, packaging, dicing)

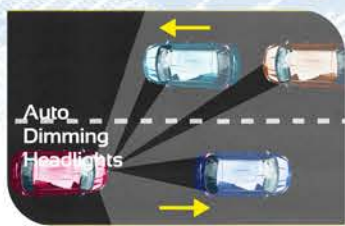
Customization of MEMS prototype for specific applications

Volume manufacturing

APPLICATIONS



- Biophotonics DNA sequencing chips
- Microfluidics *for point-of-care (POC) devices*



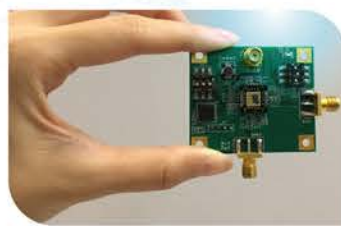
- Micromirrors *for autonomous cars, data projectors*



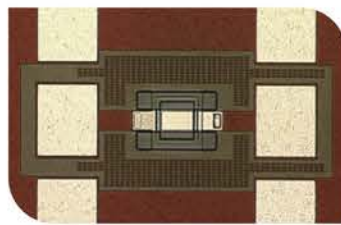
- Motion sensors *for wearables*
- Ink jet print heads
- Sensors (*acoustic, infrared, electrostatic*)



- pMUT *for fingerprint sensing, medical imaging, industrial sensors, biosensors, gesture control*



- SAW resonators *for timing devices*



- BAW resonators *for RF transceivers, RF filters, biosensors*

FAB CAPABILITIES

- **8-inch CMOS wafer foundry.** Design-in capacity : 46,000 WSPM
- Equipment capable **down to 90nm** (Cu/Al backend interconnect capabilities, ArF Scanner)
- Unique tools : **Cu/Al backend interconnect capabilities** • **ArF Scanner** • **Deep Reactive Ion Etching (DRIE)** • **Physical Vapor Deposition (AlN, ScAlN, Mo)** • **XeF2 Si Release** • **Electrostatic Temporary Bonder**
- **Automotive-qualified** production site IATF 16949:2016
- ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 and QC 080000-certified



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