

ART MTX

PRODUCTION RELIABILITY TEST SYSTEM FOR HIGH POWER SOC UP TO 400W



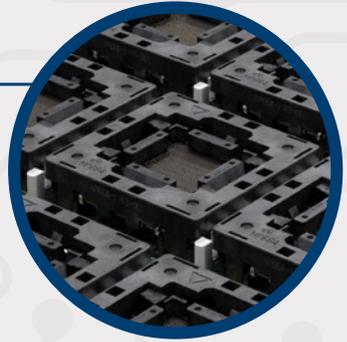


BEST IN CLASS SOLUTION IN TCO FOR HIGH POWER DEVICE PRODUCTION.

- **Configurable liquid cooling matrix to optimize system capacity**
- **Per device active temperature control based on liquid cooling technology**
- **Fast and accurate thermal control either for preventing device thermal runaway at extreme stress conditions or to significantly reduce Burn-in time**
- **In-situ test capabilities to reduce ATE occupancy and enhance failures triggering and detection**
- **Ready for full automated test cell enabling high Burn-in process throughput**

FIXTURES

FIXTURES FOR Q&R AND MANUFACTURING ENVIRONMENT



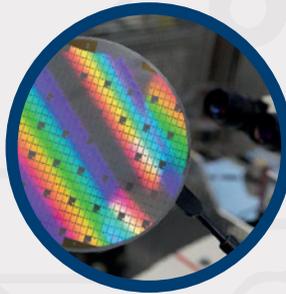
- Consolidated design rules and qualified building blocks to optimize Fixtures performances and reliability.
- Qualified components libraries and application of consolidated Design for Manufacturing rules.
- BoST IPs to Maximize test and stress coverage, including high accuracy parametric measurement for an effective Test for Reliability (TfR) flow.
- Fixture Robustness optimized for extreme conditions and continuous handling.
- Signal and Power Integrity simulation / optimization service to guarantee and optimize electrical performance versus test application specs.
- Thermal Simulation to Guarantee Stress Temperature accuracy at extreme conditions.

UNIQUE SELLING PROPOSITION

**state-of-the-art test
and reliability flow, that ensures:**



**Early Detection of issues
in the Design Process**



**Shorten Time to Market
and CoO minimization**



**Zero defect and zero
scraps Production**

**... moving from a Pass-Fail
to Learn From Fail approach**



ELES Semiconductor Equipment S.p.A.

Frazione Pian di Porto, Z.I. Bodoglie 148/1/Z 06059 Todi (PG) Italy
www.eles.com | info@eles.com | T. +39 075 898000