Market dynamics and technology trends for burn-in and test sockets

John West Yole Intelligence





It's a dynamic market

- Market Environment
- Technologies and Applications Driving Change
- Summary



2023

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Market dynamics and technology trends affecting burn-in and test sockets

The long, slow road to recovery



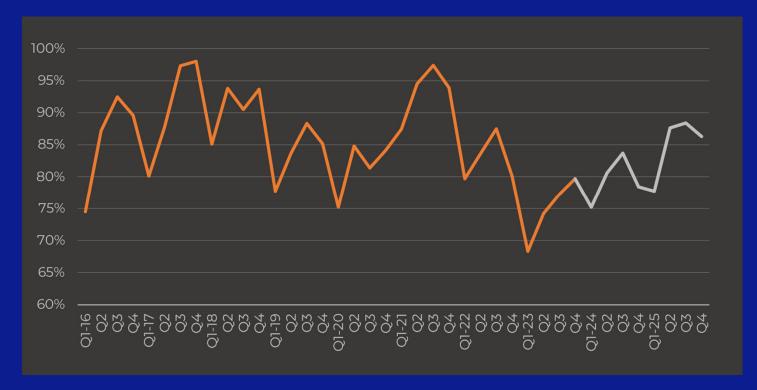
4 consecutive quarters of decline, followed by steady low to mid-single digit quarterly growth for next several quarters



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Test Equipment Utilization



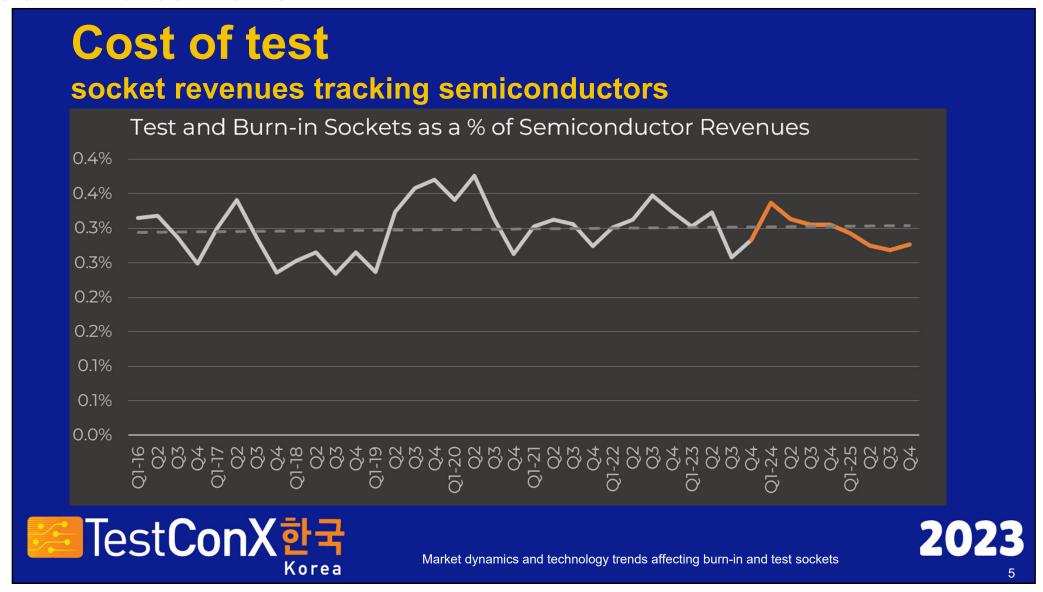
Utilization rate is following seasonal patterns in 2023 but well below long-term average

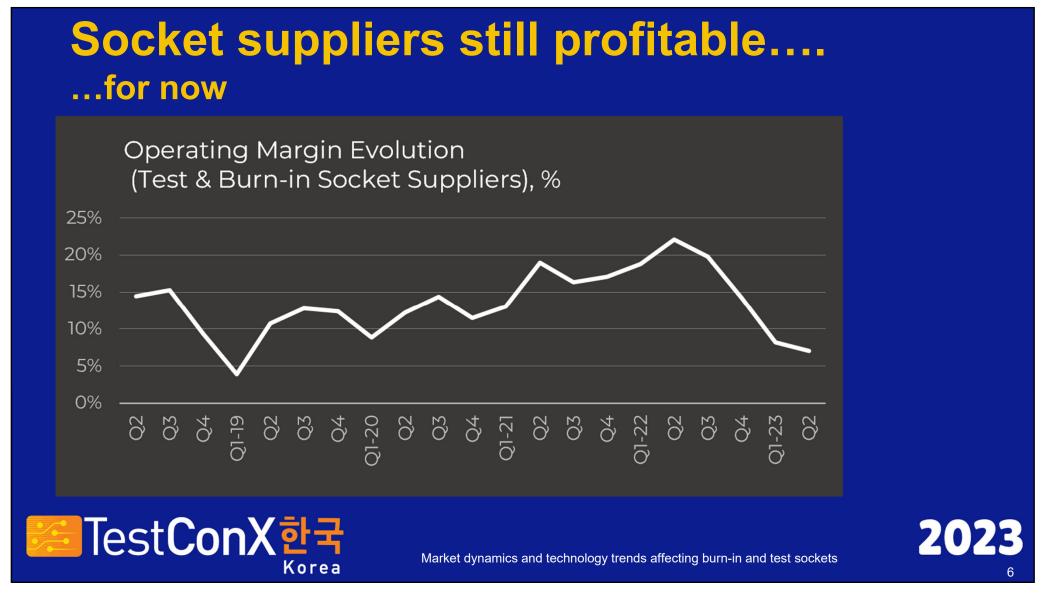
Utilization rates expected to be persistently low for several quarters

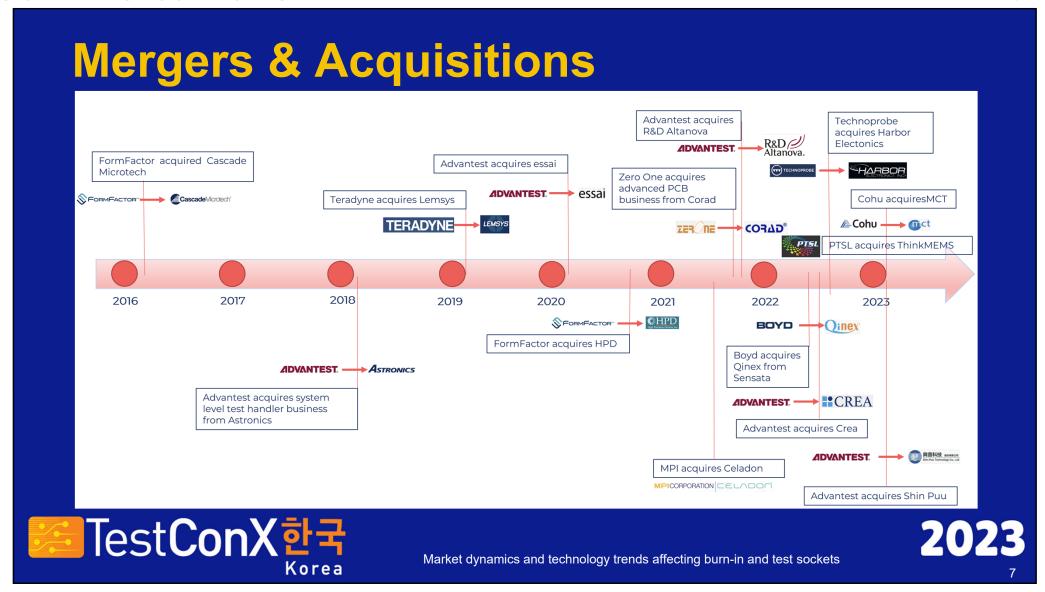


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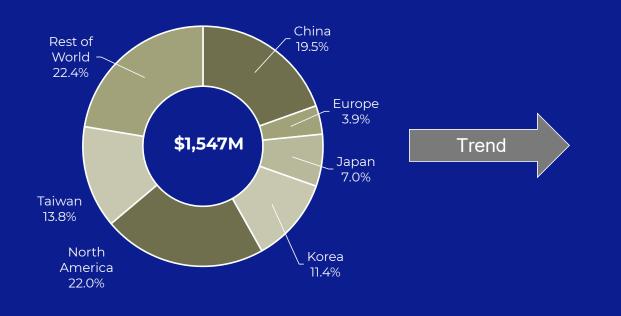






Market Reports

Regional Distribution of Socket Revenues, 2023



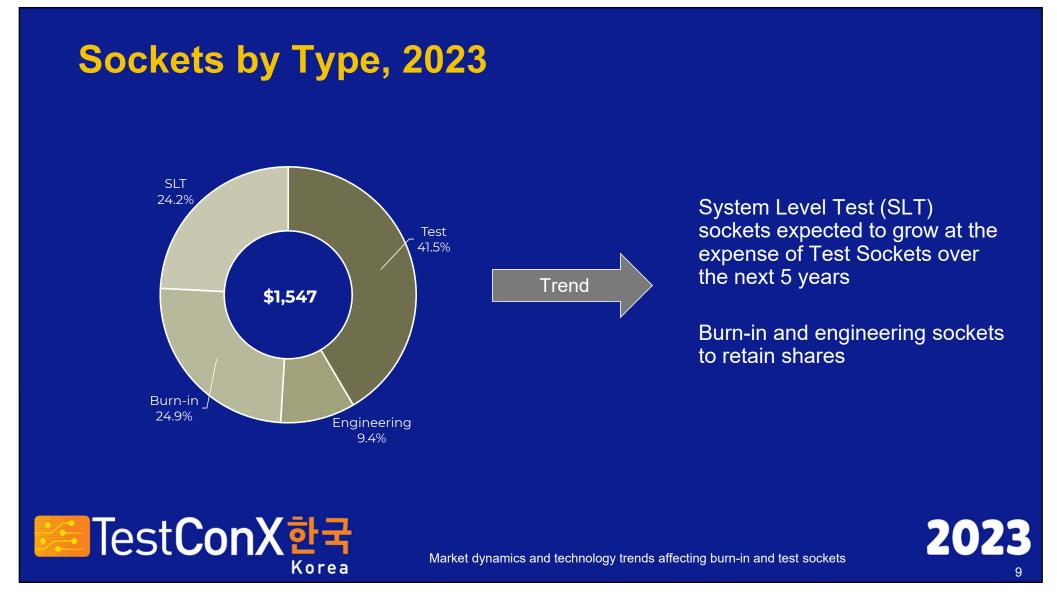
No big changes in regional distribution of sales predicted over next few years despite heavy investment in test capacity in China

November 7, 2023

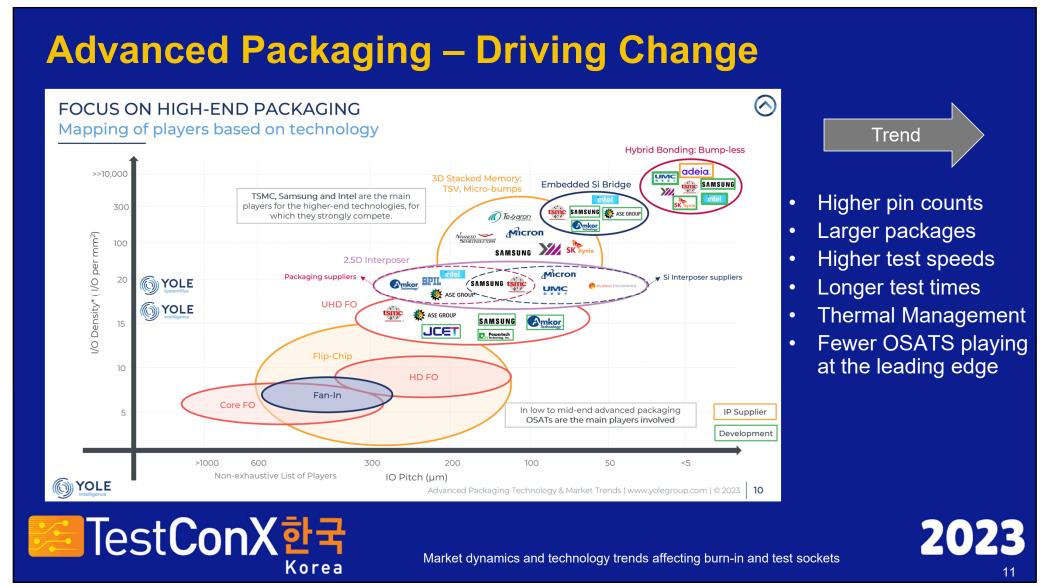


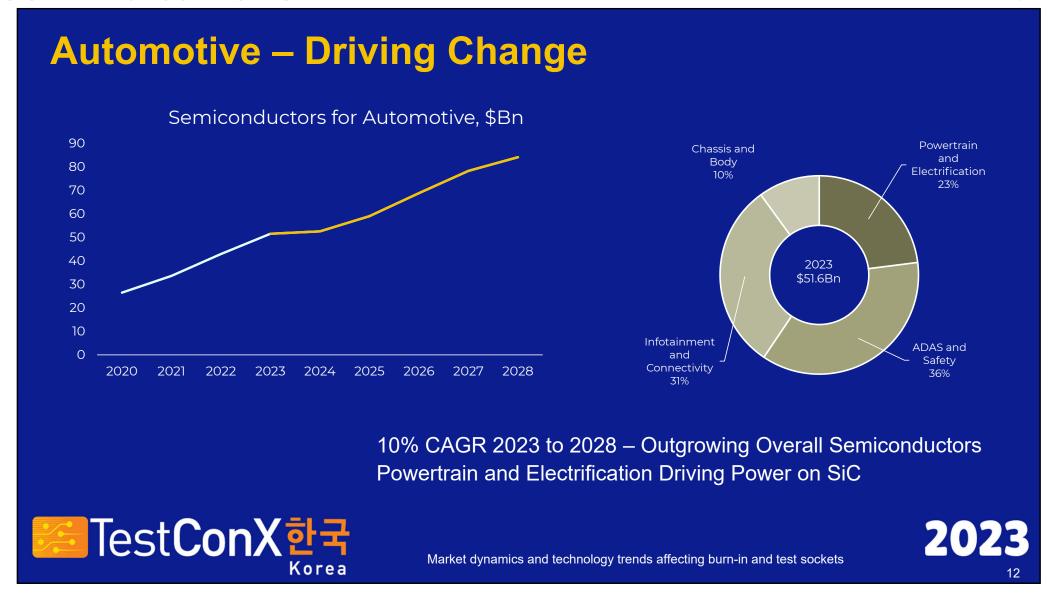
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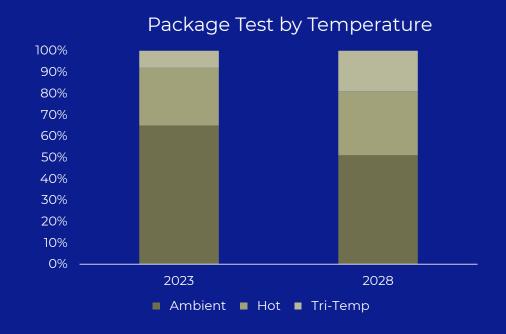






Market Reports





Devices for high performance computing and automotive are driving up thermal challenges



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Data Analytics

ATE and EDA vendors actively engaged in adding value to semiconductor test

What we know so far...

Significant revenues are being generated from data analytics services

Measurable improvements in test results achieved

Vendors competing against customers

Business models not clearly defined

Future impact on socket demand unknown

Watch this space...



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TestConX Korea Workshop TestConX.org November 7, 2023

Market Reports

Summary

Market Environment

2023 has been, and continues, to be a difficult year

Socket market on long road to recovery from Q4 2023 onwards

Growing in-line with semiconductor demand as test equipment utilization improves

Socket suppliers are still profitable

Technologies and Applications Driving Change

Advanced Packaging

Automotive

Thermal Management

Data Analytics



2023

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