# Supply Chain Explorer

**By the Emerging Technology Observatory**

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## Defect inspection tools

Defect inspection tools include brightfield inspection tools (using light to scan the wafer), darkfield inspection tools (using lasers), e-beam inspection tools (using electrons), and optical and scanning electron microscopes.

**Notable supplier companies**

- ASML - Netherlands
- Applied Materials - United States
- Hitachi - Japan
- KLA - United States
- RSIC - China (mainland)
- SMEE - China (mainland)