

Supply Chain Explorer: Wafer inspection equipment

This is an export from the Emerging Technology Observatory **Supply Chain Explorer** (<https://chipexplorer.eto.tech>). You can see the web version of this content at <https://chipexplorer.eto.tech/?filter-choose=input-resource&input-resource=N61>.

Wafer inspection equipment

Even the tiniest imperfections can cause serious problems during chip production. Major types of wafer inspection tools include film and wafer measuring tools, critical dimensions measuring tools, defect inspection tools, general-purpose microscopes, and structural inspection tools.

Supplier countries

- China (mainland) (negligible)
- France (negligible)
- Germany
- Israel (negligible)
- Japan
- Netherlands
- United States

Variants

- Critical dimensions measurement tools
- Defect inspection tools
- Film and wafer measuring tools
- General-purpose microscopy tools

Notable supplier companies (Variants)

- Applied Materials - United States
- ASML - Netherlands
- Bruker - Germany
- Hitachi - Japan
- KLA - United States
- Nanotronics - United States
- Onto Innovation - United States
- PVA TePla - Germany
- Rigaku - Japan
- RSIC - China (mainland)
- Screen - Japan
- SMEE - China (mainland)
- Thermo Fisher - United States
- Zeiss - Germany