

Supply Chain Explorer

By the Emerging Technology Observatory

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Chemical vapor deposition tools

Chemical vapor deposition (CVD) tools create a chemical vapor that deposits films on the wafer atom-by-atom or molecule-by-molecule. CVD is the most widely used deposition technique in chip fabrication. It is used to deposit most dielectrics (a type of insulator), silicon, and some metals.

Variants

- Plasma CVD tools
- Low-pressure CVD tools
- High-temperature CVD tools
- Atomic layer deposition tools

Supplier countries (Variants)

- China (mainland)
- Japan
- Netherlands
- South Korea
- United Kingdom
- United States

Notable supplier companies (Variants)

- ASM International (negligible market share) - Netherlands
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- Applied Materials - United States
- Kokusai - Japan
- Lam Research - United States
- NAURA (negligible market share) - China (mainland)
- Piotech (negligible market share) - China (mainland)
- SKY Technology Development (negligible market share) - China (mainland)
- Tokyo Electron - Japan