

Supply Chain Explorer: Etching and cleaning tools

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=N55>.

Etching and cleaning tools

Etching tools create permanent patterns in chips: after photolithography removes portions of a photoresist deposited on a wafer in a precise pattern, etching tools etch that pattern into a permanent substrate below. Cleaning tools then remove etched materials.

The United States and Japan are the main producers of etch and clean equipment; South Korea and China are also significant suppliers.

Variants

- Dry etching and cleaning tools
- Wet etching and cleaning tools

Supplier countries (Variants)

- Austria
- China (mainland)
- Germany
- Japan
- South Korea
- Taiwan
- United Kingdom
- United States

Notable supplier companies (Variants)

- AMEC - China (mainland)
- Applied Materials - United States
- Hitachi - Japan
- Kingsemi - China (mainland)
- Lam Research - United States
- NAURA - China (mainland)
- Screen - Japan
- SEMES - South Korea
- Tokyo Electron - Japan