

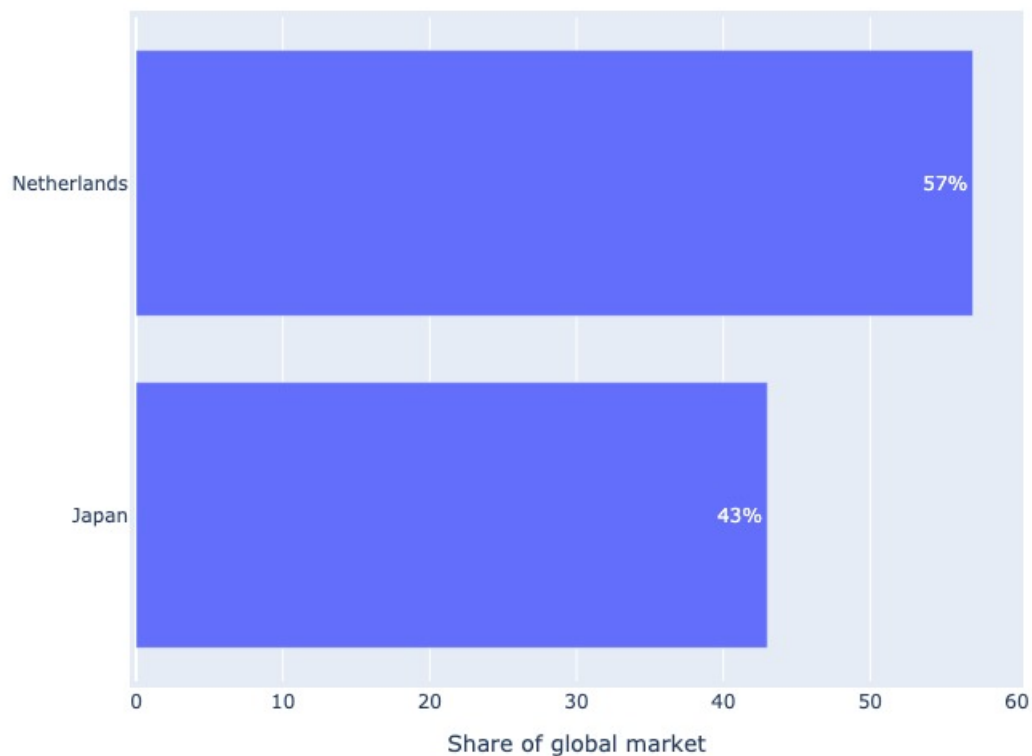
# Supply Chain Explorer: ArF scanners

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=N21>.

## ArF scanners

ArF scanners and ArF immersion scanners are among the most advanced photolithography equipment currently used in mass semiconductor production, second only to EUV scanners. EUV and ArF immersion scanners are the only lithography tools capable of mass-producing chips at near-cutting edge scale (the absolute cutting edge requires EUV). Only the Dutch firm ASML and the Japanese firm Nikon produce ArF scanners or ArF immersion scanners capable of mass production.

### Supplier countries



### Notable supplier companies

- ASML - Netherlands
- Nikon - Japan
- SMEE (negligible market share) - China (mainland)