

# Supply Chain Explorer

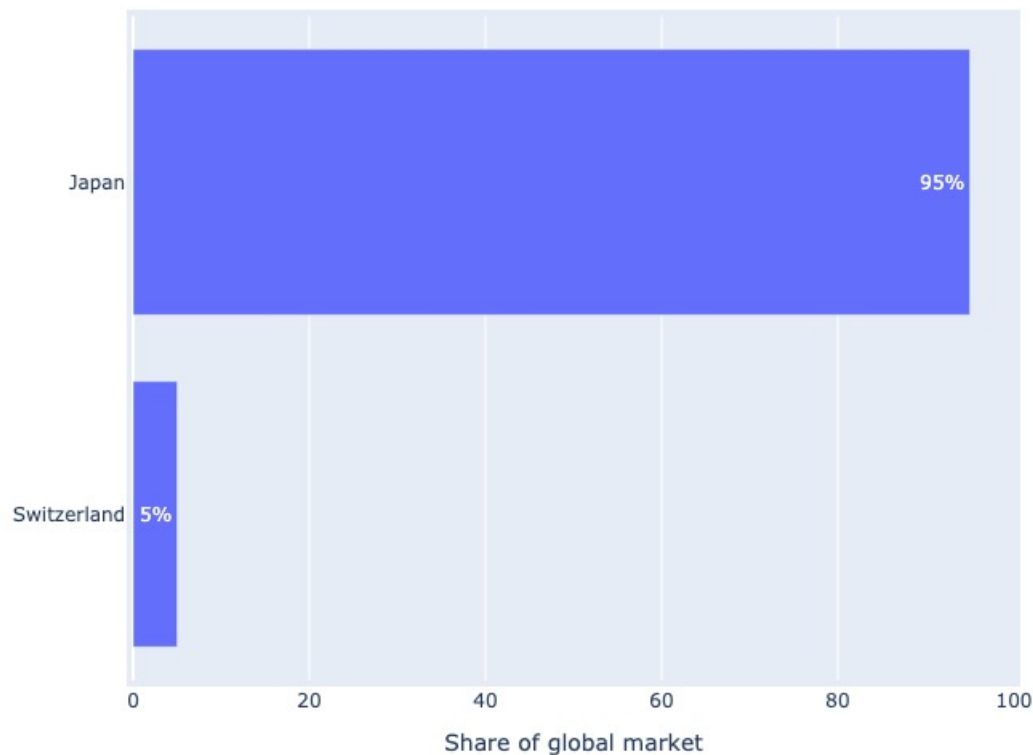
By the Emerging Technology Observatory

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## Crystal machining tools

Crystal growing furnaces and machining tools are necessary to produce all wafers-thin, disc-shaped materials fabs used to produce chips. The furnace forms a cylindrical ingot of silicon from polycrystalline raw silicon; machining equipment then cuts the ingot into wafers used for chip fabrication. These tools have relatively low value and complexity relative to other semiconductor manufacturing equipment.

### Country provision



Other providers:

- China (mainland) (negligible market share)

### Notable supplier companies

- Accretech - Japan
- Beijing JingYi Century Automatic Equipment (negligible market share) - China (mainland)
- Disco - Japan
- JSG (negligible market share) - China (mainland)
- Meyer Burger - Switzerland
- Okamoto - Japan
- Toyo - Japan