

Macro Roundup Article

Headline: [ASML, Europe's Most Valuable Tech Firm, Is at the Heart of the US-China Chip War](#)

Article Link: <https://www.bloomberg.com/news/articles/2023-04-26/asml-europe-s-most-valuable-tech-firm-to-define-us-china-chip-war?sref=U3dOGIDF>

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Publication	Bloomberg
Publication Date	April 27, 2023

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Summary: Barred from selling many of its top-end machines in China, and a victim of data thefts, ASML is doing the only thing it can to preserve its almost insurmountable lead: building evermore sophisticated machines. Its next contraption, about the size of an Amsterdam studio apartment, is set to hit markets in 2025. With a price tag of more than \$380 million — costlier than a Boeing 787 Dreamliner — it will be capable of etching delicate patterns on silicon wafers smaller than a virus. Already way ahead of rivals, ASML is making sure no one can do what it does for the foreseeable future. Its only real hurdle will be technological limits — building machines that are viable and economical for mass production. “The big long-term risk is that new lithography systems are too costly and unwieldy to produce,” said Chip War author Miller. “ASML will bring its high-NA systems online, but the generation after that, hyper-NA, is still in development. Some ASML staff have speculated it may be too difficult to mass-produce.”

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