

Why we exist

Our vision

Our vision is a world in which semiconductor technology is everywhere and helps to tackle society's toughest challenges.

Our mission

We contribute to this goal by creating products and services that let our customers define the patterns that integrated circuits are made of, and we continuously raise the capabilities of our products, enabling our customers to increase the value and reduce the cost of chips.

By helping to make chips cheaper and more powerful, we help to make semiconductor technology more attractive for a larger range of products and services, which in turn enables progress in fields such as healthcare, energy, mobility and entertainment.



Why we exist

The invention of the integrated circuit (1958) is a pivotal moment in human history. Connecting miniaturized electronic components on a slab of silicon, this first semiconductor chip ignited a race for its better, cheaper and more powerful successors.

We believe that semiconductor technology is a force for good. Without it, there would be no smartphones, internet or modern aviation to connect us, wherever and whoever we are. There would be no satellites to better understand our planet, and none of the medical technology that helps to diagnose and treat disease.

ASML is a key player in the fast-paced industry that makes it all happen, as we are one of the world's leading manufacturers of chip-making machines. We provide chipmakers with hardware, software and services to mass produce patterns on silicon, increasing the value of a chip while lowering its manufacturing cost. All of the world's top chip companies are our customers, so chances are that every single day, you use semiconductor technology that was partly made on our machines.