

# PHOTOLITHOGRAPHY

*Meaning: Photolithography is a manufacturing process that uses light to transfer patterns onto a substrate, primarily for the production of microchips and printed circuit boards.*

1. Photolithography is a crucial process in semiconductor manufacturing, allowing for the precise patterning of microchips.
2. The advancements in photolithography technology have significantly improved the resolution of printed circuit boards.
3. Researchers are exploring new materials to enhance the efficiency of photolithography in nanofabrication.
4. During the photolithography process, ultraviolet light is used to transfer a geometric pattern onto a substrate.
5. Photolithography has revolutionized the production of integrated circuits and continues to shape modern electronics.

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