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Nanofabrication technologies are applied for the manufacture of nanoscale devices applicable to fields of research such as microelectronics. Usually, the fabricated devices are made out of semiconductor materials, dielectrics, oxides, and metals.

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Nano-integrated photonic modulation devices and sensors are the components that will see nanophotonics moving out of the lab into a new generation of products and services.

Integrated Nanophotonic Devices - AZoNano.com

We provide a general overview of existing devices and technologies and then cover the topic of silicon photonics where various micro- and nanophotonic dynamic modules are integrated on a silicon chip together with nonphotonic microelectronic components.

Integrated micro- and nanophotonic dynamic devices: a review

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