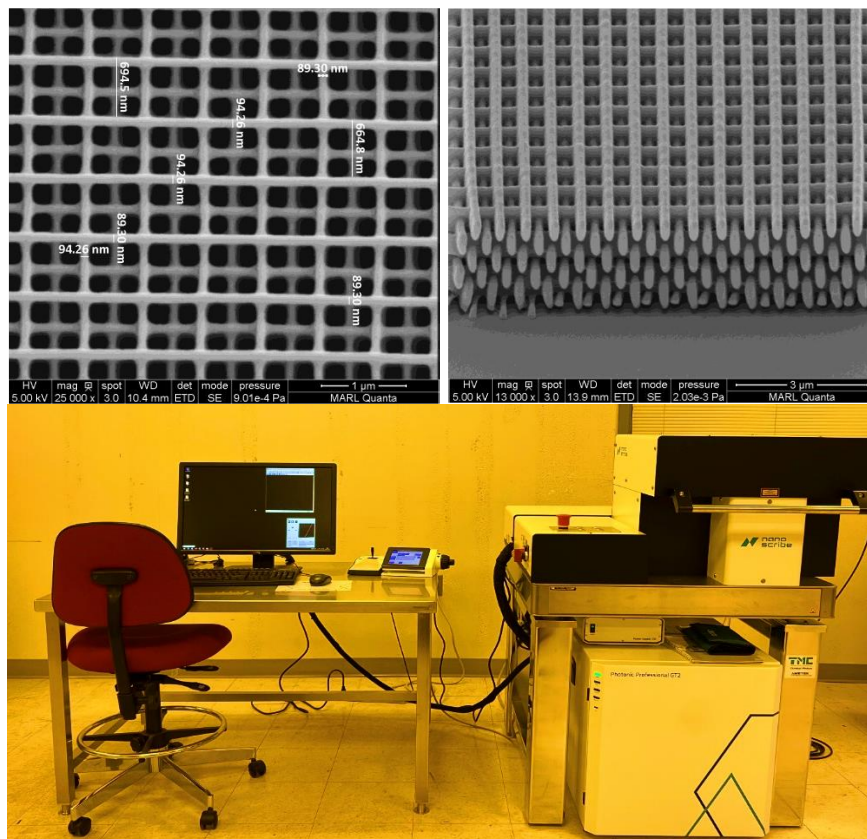




Nanoscribe 3D nanoprinter installed at Iowa State University Microelectronics Research Center

The Microelectronics Research Center (MRC) at Iowa State University is pleased to announce the installation of Nanoscribe Photonic Professional GT2 high resolution 3D printer (<https://www.nanoscribe.com/en/products/photonic-professional-gt2>). This two-photo polymerization (2PP) system is equipped with two printing modes (i.e., high-speed galvo mode and ultra-precise piezo mode), which enables printing 3D high-resolution feature sizes ranging from a few hundreds of nanometers to millimeters. Furthermore, the combinations of printer's objective lenses and broad print materials and substrates serve different cutting-edge fields research in the fields of scientific microfabrication, industrial mastering, and integrated photonics. The application fields of 3D nanoprinter include, but not limited to, life sciences, material engineering, microoptics, nanophotonics, microfluidics, micromechanics, sensors, and MEMS.



Examples of the 3D woodpiles nanostructures printed using the Nanoscribe instrument installed at the MRC.

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