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Supracon is a globally operating high tech company which has specialized in the development, fabrication, and marketing of ultra-sensitive superconductive sensors and is offering services which utilise state-of-the-art micro-and nanostructure technology.

Supracon was founded on the 1st January 2001 as a spin-off from the Department of Cryoelectronics at the Institute for Physical High Technology Jena (IPHT). Supracon maintains close links with the IPHT. Together a highly sophisticated thin-film technologies have been developed. These include different deposition methods for metallic and dielectric films, pattern definition by optical or e-beam lithography, and pattern transfer into the films by wet chemical or dry etching methods.

The nano- and microfabrication processes require very complex equipment which are installed in a modern clean room in the IPHT.

The following microfabrication services can be offered:

- performing of highly specialized process steps as part of a customer`s device production cycle,
- complete thin film technological fabrication of customer devices,
- development of customer-specific microfabrication steps or complete processes including technology transfer to the customer.

Different nanoengineered devices like photonic crystals (in polymer- and in metal oxide waveguides), nano-imprint master, devices for quantum computing, and metrological standards for use in the nanoscale (nanoscale linewidth/pitch standard, nanoscale CD standard, AFM-tip-characterizer) are fabricated in running R&D projects.

You will find more information about Supracon at:

[www.supracon.com](http://www.supracon.com)