

5MICRONS – MICROSYSTEM PROFESSIONALS AT YOUR SERVICE

GEILING Thomas, DITTRICH Lars, GOJ Boris, HEBEL Robert, BERTKO Michael

5microns GmbH, Ilmenau, Germany, EU

Abstract

We are an innovative and energetic start-up whose main expertise is microsystems technology.

So, what can we do for you?

Nanosystems often require a transducer to extract meaningful information. Microsystems are an ideal translator from the nanoscale to the macroscopic world. In an integrated application, i.e. a wearable device, the microsystem realizes the information flow as well as the packaging.

Our core capability is the consulting of first-time users and specialists in MEMS technology. We design microsystems, develop prototypes, take charge of microfabrication and the processing of wafers as well as of MEMS characterization. Our company is based in Ilmenau, an idyllic town in the center of Germany. Our technology partner, the Center of Micro- and Nanotechnologies of the Technische Universität Ilmenau, grants us access to extensive set of production and analysis tools.

The 5microns GmbH is also the exclusive European distributor of the GDnano Ltd., the leading Chinese manufacturer of machines for nanoimprint lithography (NIL). The GD-N-03 nanoimprinting tool is the perfect addition to your lab in order to unlock new applications in the realm of nanotechnology. The GD-N-03 integrates well into the process flow due to its capability to be refitted quickly to changing substrate and stamp dimensions. Design and realization of the tool are guided by the principle “Keep it simple!”, which guarantees solid processing and high reproducibility.

Please do not hesitate to approach our representative Thomas Geiling at the NANOCON 2015, and we will identify the right solution for your challenge and budget.

Keywords: Nanoimprint lithography, microsystem services, nanosystems packaging

Author did not supply full text of the paper.