NANOCRAFT
exploring nanospace

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Research and Development for technical and biological surfaces

The NanoCraft was founded in 2001 as a Spin Off from Max-Planck-Institute of Colloids and Interfaces (MPI-KGF) by Dr. Sabri Akari. We perform research and development projects in the region of Nano-, Bio- and Surface Technologies. In 2008 we developed the Smart Coating Technology based on conductive polymers for the electronic industry and optimized the large scale production of the Enhanced Green Fluorescent Protein.

Smart Coatings for the electronic industry

The Smart Coating Technology for Pogo Pins, Probe Cards and PCBs is a novel protection solution based on conductive polymers. A diamond like thin conducting polymer film is attached to the metall surface iorder to reduce the surface energy and increase the surface hardness. The Nano layer works anti adhesive and can increases the life time clearly. Consequently, environmental contaminations will be clearly reduced, the fact which results in homogeneous and even lower electrical resistance. This method is leading in reducing costs and longer time lifes of pins in the mass productioon

We offer this novel Nano Coatings through our cooperation partner IP works Technology Corp. in Taiwan. The coatings will be apllied under high quality and clean room standards.

Advantages of the Smart Coating Technology on Pogo Pins, Probe Cards and PCBs:

- Reduces environmental contaminations
- Resulting in homogeneous low electrical resistance
- Increases the surface hardness
- protect against oxidation and tarnishing
- works anti adhesive and increases life time

Awards of the NanoCraft:

- Innovation Award Baden-Württemberg, Germany, 2003
- International Technology Award euregio.bodensee, 2004