



E·X·P·O 
ELECTRONICA

17-19 APRIL 2018



MADE IN MOSCOW



MOSCOW
CROCUS EXPO
STAND C107

**COLLECTIVE EXPOSITION
OF MOSCOW MANUFACTURERS**



MatchMaking
НАЗНАЧЕНИЕ ВСТРЕЧ



List of Participants

- 1. MCST**
- 2. Tau Industrial Robotics**
- 3. Digital Solutions, SPE**
- 4. Crocus Nano Electronics**
- 5. Zelenograd Nanotechnology Center**
- 6. Technology Center, SPC**
- 7. Mapper**
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- 9. Nucon Energy**
- 10. Kermet**

№ 1

MCST

The company develops universal high-performance Russian microprocessors "Elbrus" and computer systems based on them. They implement advanced principles of computer architecture, using the operating system and optimizing compilers of their own design.

Products:

1. The chip of the central processor 1891BM11Я
2. The chip of the central processor 1891BM10Я
3. The chip of the southbridge 1991BG2Я
4. The chip of the southbridge 1991BG1Я.
5. Elbrus-4S – quad-core evolution of Elbrus 2000, 800 MHz clock rate
6. Computer complex Elbrus 101-PC.
7. Work station Elbrus 801-PC.



<http://www.mcst.ru/>



№ 2

Tau Industrial Robotics

Tau Industrial Robotics group was founded in 2008. The company focuses on remodeling manufacturing processes for the factory of the future. It has two divisions, Semiconductors and Coating Systems. Semicon division offers thermal testing solutions for the entire range of MEMS sensors, with unparalleled precision, flexibility and performance. With two assembly sites in Italy and a corporate R&D center in Russia, Tau Industrial Robotics now sells globally a range of products for the Power, Energy and Semiconductors industries. Tau Industrial Robotics is backed by professional investors with decades of experience in technology ventures.

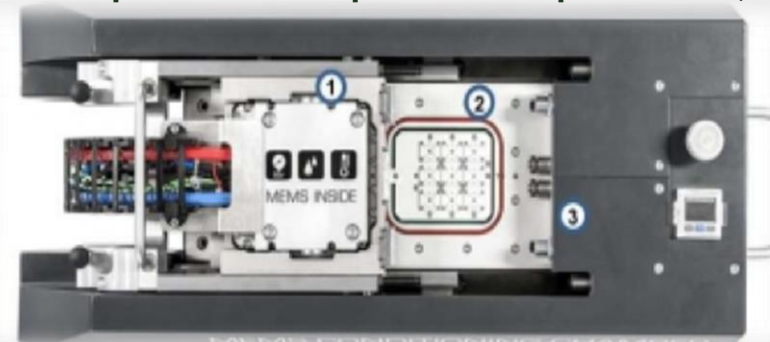


www.tauindustrialrobotics.com

Products:

ThermoLab – MEMS Conditioning Lab Equipment. Based on a proprietary thermal stimuli generation technology, it is the first integrated R&D platform capable of generating multi-temp, ultrafast temperature conditions in a compact, tabletop solution.

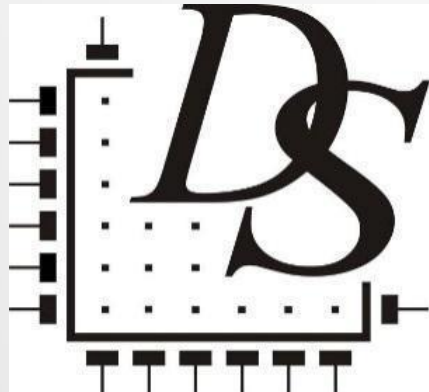
LILIT is an AI based analysis tool developed by Tau Industrial Robotics to give a precise and cost-effective answer to the problem of timely identifying uncured or overcured insulation coatings. The system is capable of analyzing all thermosetting polymers families in a matter of seconds, giving an accurate estimate of the polymerization level and a precise estimation of chemical composition of the resin, helping customers to optimize their production processes, increase productivity, and reduce scrap.



№ 3

Digital Solutions, SPE

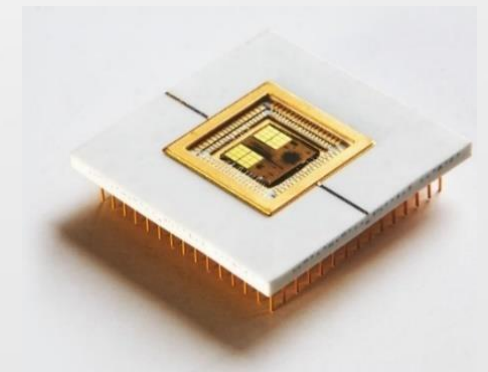
Digital Solutions, SPE was established in 2003. The company is Russian leading ASIC and Electronic Engineering design center. The company has successfully finished more than 60 research and development projects, mostly for marine, aviation, space facilities and for military industrial complex in general. The main activities of the company are the following: development of data solid-state devices, telecommunications devices, digital processing devices, integrated circuits including RH circuits and FPGA to ASIC conversation services.



Products:

1. The Switch-Router Module. It is designed to work in the conditions of ionizing radiation from outer space and is used to create local computer networks within the International Space Station.
2. The Microchip 5023BC016 (Processor "Sputnik") for space application and development kit. The processor is designed to build control and measuring and telemetry systems of space vehicles, with the ability to operate in the conditions of ionizing radiation from outer space.

www.dsol.ru



№ 4

Crocus Nano Electronics

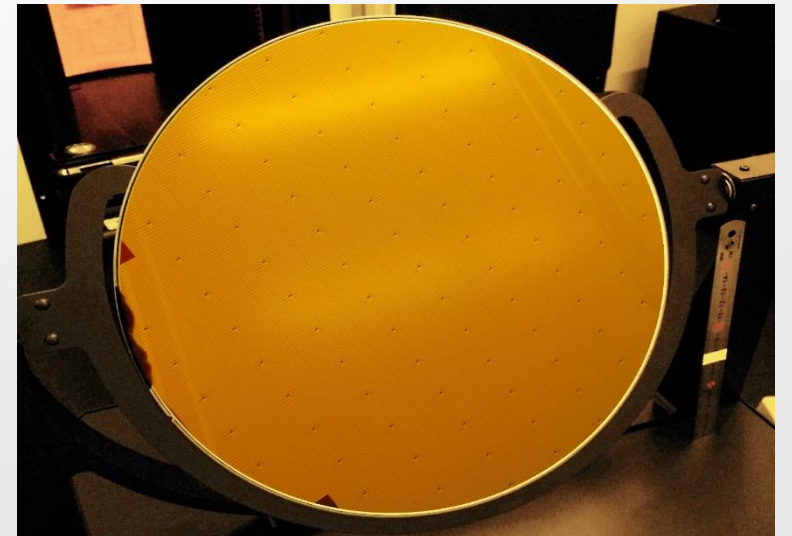
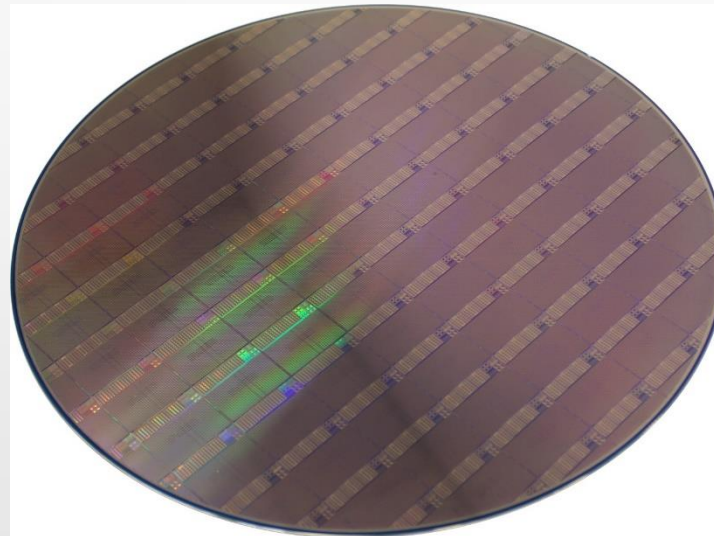
The first semiconductor production in Russia on 300mm plates was created on the initiative of Rusnano in 2011. The level of technology of our company is the most advanced in Russia and meets the latest world standards for the semiconductor industry.

Products:

1. 300mm plate with microcircuits for NFC.
2. 300mm plate with integral passive components.

CROCUS
NANO
ELECTRONICS

<http://crocusnano.com/en/>



№ 5

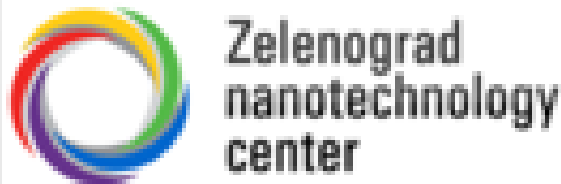
Zelenograd Nanotechnology Center

It is one of the leading innovation R&D companies in the field of nano- and microsystem technologies. The center was founded in 2010 for creating and supporting start-ups in the field of nano- and microelectronics. It is situated in Zelenograd and belongs to a Special Economic Zone.

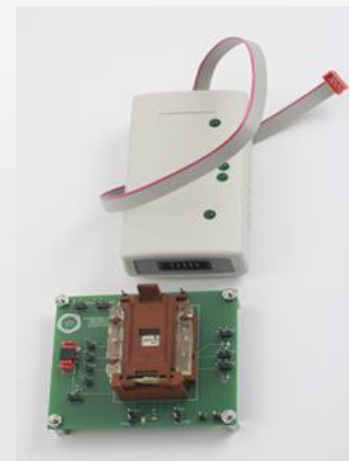
JSC ZNTC designs and manufactures VLSI, micromechanical accelerometers, gyroscopes, inclinometers, relays, mirrors, electronics for medicine, environmental monitoring systems, intelligent sensors based systems, power saving solutions, power inertial sensors, course-vertical, w/o platform inertial navigation system based on MEMS domestic production.

Products:

1. Linear sensor, measuring the speed/direction of rotation and the determination of the relative and absolute angular position of the shaft (engine). It also allows determining the linear movement of the object.
2. High temperature electronics: switches, transducers, etc.



en.zntc.ru



Technology Center, SPE

The Center develops and manufactures: CAD for creation of specialized LSI; new types of high-speed BMC of high degree of integration; microsystems and micro sensors for the analysis of physical quantities (pressure, force, acceleration), including nanoscale structural elements; magnetoresistive sensors; element base of information processing from micro sensors.

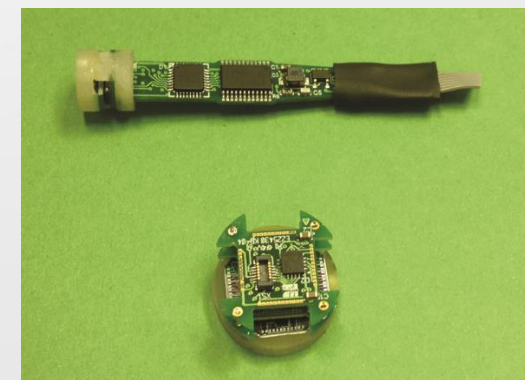
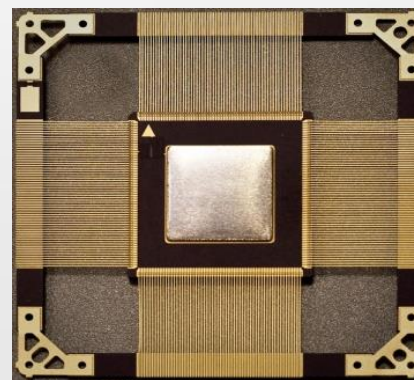
Products:

1. Series BMK 5528 with reduced supply voltage. 3 types of BMC with a volume of 20, 100 and 1,000 thousand valves; CMOS technology 0.18 microns with ring transistors on volumetric silicon; Supply voltage of microcircuits in the range from 0,8V to 3,0V; Original means of topological design and prototyping; Reliability is not less than 50 000 hours.

2. Matrix of integral pressure transducers. The development relates to semiconductor sensors for converting mechanical effects into an electrical signal, the measurement of which allows to determine the tactile pressure created when the sensor is touched with an object.



<http://www.tcen.ru/eng/>



№ 7

Mapper

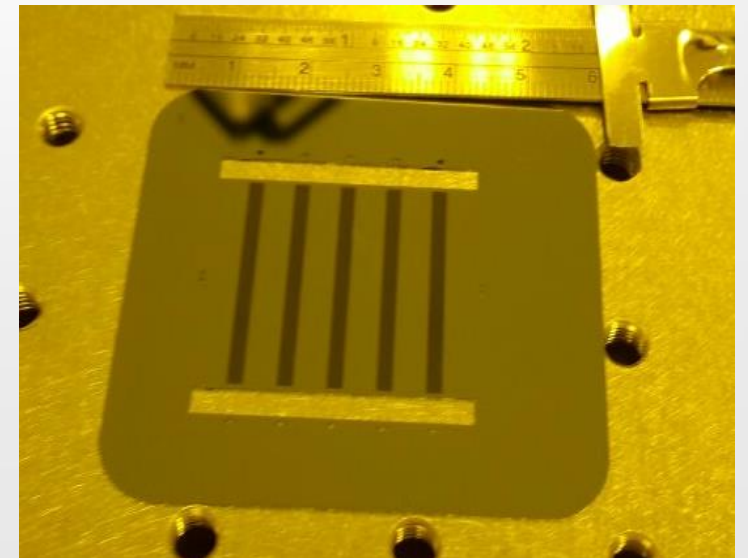
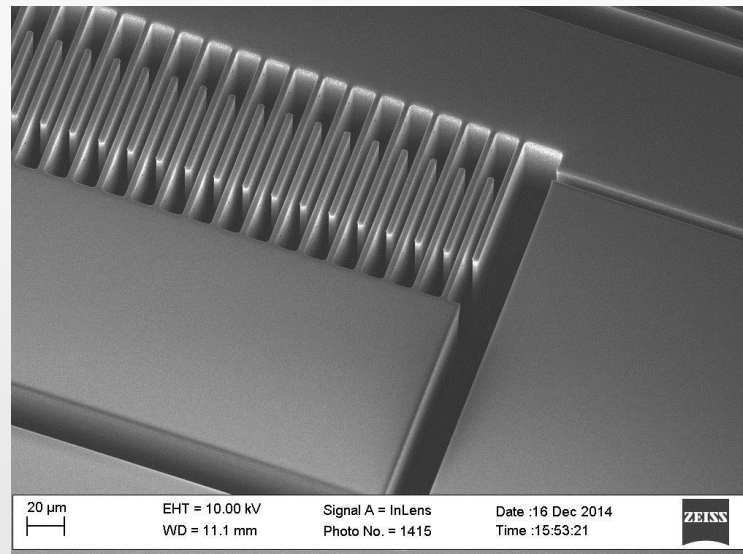
Mapper LLC was founded in 2012 with the support of Rusnano and is a subsidiary of the Dutch company Mapper Lithography B.V. Mapper produces elements of electronic optics using the technology of micro-electro-mechanical systems.

Products:

1. Production services for 100 mm MEMS plates / contract production.
2. Elements of electronic optics based on MEMS. They are the key elements of a new generation lithographic machine produced by Mapper Lithography (the Netherlands).



<http://mapperllc.ru/>



№ 8

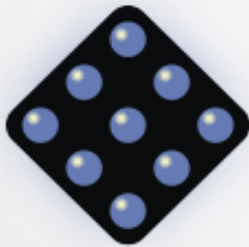
Test-Contact

Company designs and produces test sockets with its own equipment and burn in test sockets for different packages since 2011.

Products:

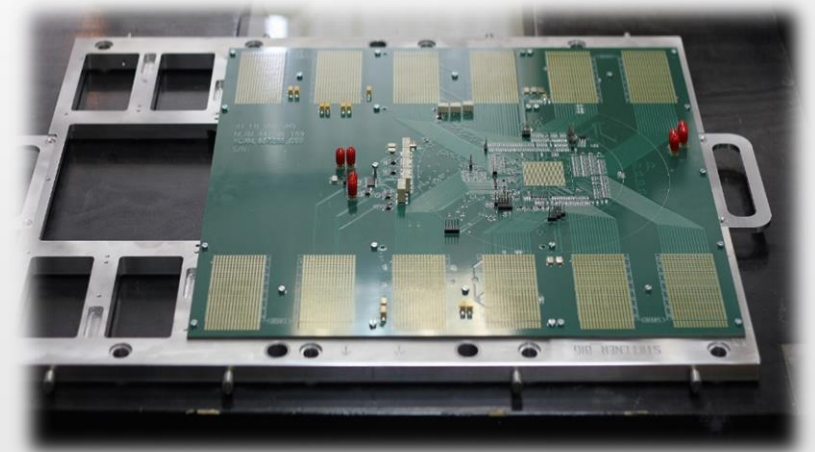
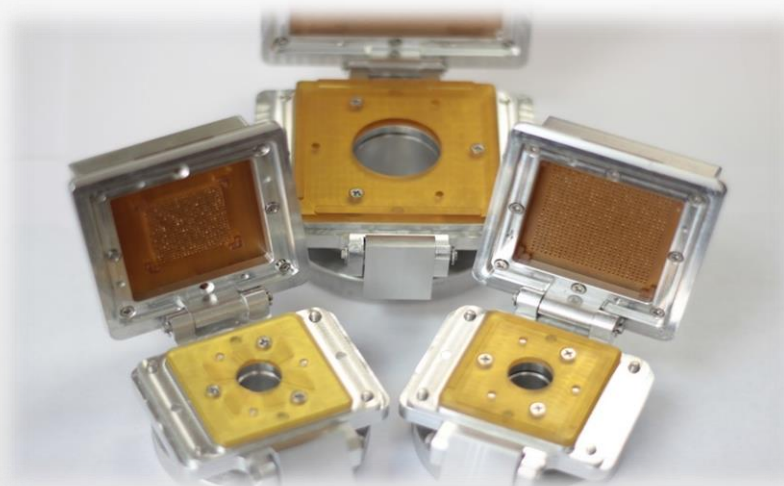
1. Semiconductor devices (including power transistors and diodes).
2. Integrated circuits (in cases of any types, including domestic ones).
3. Relays, bolometric sensors, current modules, assemblies on MEMS sensors, etc.

Test-Contact also produces the elements of mechanical and climate test equipment on CNC automatic milling and engraving machines according to your drawings and sketches. The company accepts orders for engraving, precision mechanical, electronic, dental, jewelry and other industries where excellent quality and high repeatability are required.



ТЕСТ-КОНТАКТ
связной в мире контактов

test-contact.ru



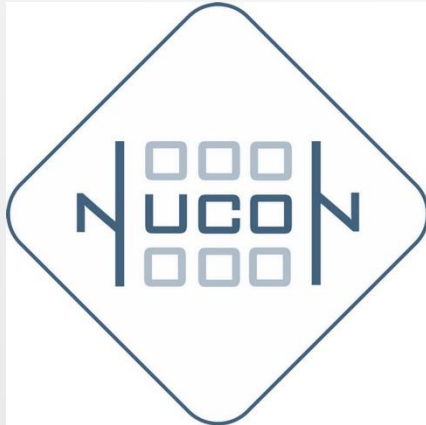
№ 9

Nucon Energy

The NUCON Condenser Plant is the leading Russian manufacturing enterprise for the development and serial production of a wide range of capacitors made using MKP technology and metallized polypropylene film and with non-flammable polymer compound.

Products:

1. The FB2 series of capacitors. It is designed to filter higher voltage harmonics in DC circuits, with local controlled self-healing.
2. The series of capacitors P01. It is designed to protect switches from surges in DC circuits using coaxial terminals.



www.nucon.ru

