

Serghei Sosedov

Field Engineer - MISTRAS Group, Inc

Levittown, PA - Email me on Indeed: [indeed.com/r/Serghei-Sosedov/6131fa97ca75b31e](https://www.indeed.com/r/Serghei-Sosedov/6131fa97ca75b31e)

- Highly competent, multi-skilled engineer with over 25+ years experience in electronic, electro-mechanical and manufacturing engineering.
 - Extensive experience of installation, calibration, troubleshooting and repairing of multi-axis positioning systems, Ultrasonic and Acoustic Emission NDT systems, electrical, electronic systems and equipment including pneumatic, mechanical, control circuit and power supplies.
 - Built, tested, launched and completed a 12-axes Ultrasonic C-Scan imaging Gantry scanning system at HITCO Carbon Composites, Inc., one of the largest (scan envelope of 24'L x 16'W x16'H) scanners built thus far for the inspection of aerospace carbon composite components.
 - Excellent technical, analytical, and engineering qualifications with outstanding customer service skills.
- Authorized to work in the US for any employer

WORK EXPERIENCE

Field Engineer

MISTRAS Group, Inc - Princeton Junction, NJ - 2006 to Present

- Assemble, test and calibrate Acoustic Emission quality control systems, Ultrasonic portable, remote, standard/customized immersion and UT Gantry systems.
- Develop electrical distribution systems for large NDT systems and plans these systems using.
- Create models and prototypes, test and support production and rolling out new and improved products such as PocketUT™, PocketAE™, TabletUT™, RemoteUT™, remote scanners and UT Gantry systems.
- Built, tested, launched and completed a 12-axes Ultrasonic C-Scan imaging Gantry scanning system at HITCO Carbon Composites, Los Angeles, CA, one of the largest (scan envelope of 24'L x 16'W x16'H) scanners built for the inspection of aerospace carbon composite components.
- Built, tested and launched a 13-axes Ultrasonic Gantry scanning system at TRIUMPH Aerostructures, Dallas, TX for the inspection of aerospace carbon composite components.
- Built, tested and completed a 28-axes immersion Ultrasonic UT system at CARPENTER Technology Corporation, Reading, PA.
- Installed Samos™ AE system at Crystal River 3 Nuclear Power Plant.
- Provide full technical support of the Gantry Systems at HITCO Carbon Composites and TRIUMPH Aerostructures. Educate and consult customer personnel.
- Perform a variety of on-site and in-house calibrations, repairs, modifications and troubleshooting of the systems.

Computer Consultant

SOSEDOV LLC - Philadelphia, PA - 2005 to 2006

Provided general computer consulting services for small and medium size businesses.

- Administered Windows based LANs, upgraded and maintained MS Access databases.
- Supported customer Windows PCs with various software packages including troubleshooting, repair and upgrade of the hardware.

General Manager / Project Manager

GOODYEAR SERVICE / TRIS SRL - 1997 to 2004

Grew the company from zero to \$5 million-plus in annual revenues over a 5-year period.

- Managed direct sales of Goodyear, Michelin, Bridgestone tires and Hofmann Snap-on garage equipment for Moldova.
- Managed large numbers of car dealership projects.
- Provided field investigations, evaluation of passenger car and truck tires failures, technical education.

Computer Network Engineer/Administrator

MOLDTELECOM SA - 1991 to 1997

Research Scientist

RESEARCH INSTITUTE FOR NONDESTRUCTIVE TESTING, Chisinau, Moldova - 1990 to 1991

Electrical Engineer

SIEMENS AG / KWU - 1989 to 1990

Electrical Engineer

RESEARCH INSTITUTE FOR NONDESTRUCTIVE TESTING, Chisinau, Moldova - 1986 to 1989

EDUCATION

UT Level II, UT Level I

Mistras Group Inc. - Princeton Junction, NJ

2011

Master's Degree in Electrical Engineering, NDT

ST PETERSBURG TRANSPORT UNIVERSITY - Санкт Петербург

1986

Bachelor's Degree in Electrical Engineering

ST PETERSBURG TRANSPORT UNIVERSITY - Санкт Петербург

1984

SKILLS

Languages: Russian, German, Polish, Programming languages: Visual Basic, Assembler, Ultrasonic and Acoustic Emission software, Renishaw, Aerotech, MS Office, CAD, DTP, Laser calibration and error mapping of multi-axis positioning gantry systems, AE Level II, UT Level II, Experience with the Aerotech 3200 PLC