

# NORTH AMERICAN COLD SPRAY CONFERENCE

SEPTEMBER 10-11, 2024 | BOUCHERVILLE, CANADA

## Exhibitor List

### EXHIBITING COMPANIES

#### **CenterLine (Windsor) Limited**

CenterLine, a Canadian corporation with 65 years of history, is renowned for its expertise in advanced automation processes, joining technologies, and cold spray applications. CenterLine's Supersonic Spray Technologies (SST) Division designs and manufactures a comprehensive range of patented cold spray metal consolidation systems catering to aerospace, defense, glass, automotive, power generation, microelectronics, and more industries. The new machines feature the integrated non-pressurized powder Xfeeder, offering unmatched reliability, maintainability, and powder feed consistency. SST develops its own powdered materials specifically designed for cold spraying. This division also provides a wide variety of process qualification, OEM production, and assorted job shop services.

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

#### **Oseir Oy**

Since 1999 we have designed and provided state-of-the-art diagnostic systems for thermal and cold spray coating processes as well as other industrial applications. Systems are used globally in a wide variety of industries covering both the research and development and daily production quality control applications. Systems have gained solid reputation amongst even the most demanding customers in being able to save cost, reduce waste and improve profits. As the first company in the World we can provide fulltime diagnostics (inc. e.g. speed, density, size, plume direction, distributions...) for the Cold Spray processes.

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

#### **Plasma Giken Co., LTD.**

Plasma Giken was founded in 1980 to specialize in Thermal Spraying and has been manufacturing leading Cold Spray Systems for about 20 years. We have several Cold Spray Systems to use in lab, mass production and repair. Our Cold Spray Systems perform at temperatures up to 1200°C and pressures up to 7.5Mpa, allowing for the deposition of difficult materials. We also provide a Cold Spray Gun for inner diameter coating and a high-temperature and high-pressure portable system. Our diverse experience with industrial applications has given us the unique ability to design the world's finest cold spray systems.

<http://plasma.co.jp/en/>

#### **Polycontrols Technologies Inc.**

Polycontrols boasts over 40 years of experience in flowmeter instrumentation, calibration, surface engineering services, and automated solutions integration. In collaboration with the National Research Council of Canada-NRC, we have created PolyCSAM, the most advanced cold spray booth in North America, to improve accessibility of cold spray additive manufacturing for the industry. We also bring our expertise into your spray cell through our specialized equipment for cold spray such as an ultra-fine powder feeder and SmartCSAM, the holistic controller for cold spray. We offer you CSAM services in our state-of-the-art installation as well as turnkey integration of spray cells in your facilities. Come and meet with us!

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

### **ReliaCoat Technologies, LLC**

ReliaCoat Technologies is dedicated to developing advanced coating design solutions and process control methodologies for the TS and CS industries and beyond. Understanding both fundamental scientific mechanisms of coating deposition dynamics and industry-relevant coating performance prediction are key to reach the prime reliance of TS coatings. The ICP sensor uses advanced thermo-elastic beam curvature measurements during coating deposition for real time extraction of residual stress evolution and the onset of cracking. The sensor distinguishes residual state of stress and process conditions for various material systems. The user can assess deposit integrity through the extraction of coating residual stress and elastic modulus. These design relevant properties correlate to processing and performance in both R&D and manufacturing.

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

### **SPEE3D**

SPEE3D specializes in metal additive manufacturing for Defence, using patented cold-spray technology for faster, cost-effective, scalable production. Based in Melbourne and Darwin, SPEE3D serves global Defence organizations, including the Australian Defence Force, JGSDF, British Army, Ukraine Army, and US DoD. All products are designed, manufactured, and tested in Australia.

<https://www.spee3d.com/>

### **Spraywerx Technologies, Inc.**

Spraywerx's ID-Nova HVOF and Mini-Nova guns were developed for coating of internal surfaces. However, these devices can be used to spray high quality metal coatings utilizing warm spray. Warm spray is the addition of non-reactive gases such as air, nitrogen, argon or carbon-dioxide into HVOF processes to reduce gas temperature and increase particle velocity. Warm spray can be used to enhance coating properties by decreasing porosity and oxide content in metal coatings. Warm spray provides an additional parameter to optimize coating properties and is comparable to cold spray at reduced cost.

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

### **TECNAR**

Tecnar is a leader in thermal and cold spray sensors, providing ultimate spray monitoring solutions to boost productivity and streamline processes. Our new product, the Accuraspray CS, is an in-line cold spray sensor designed to measure in-flight particle velocity and feed rate with precision. Easy to use, it excels in daily quality control, process development, and setup transfer. Tecnar's innovative technology ensures you stay competitive in today's research and fabrication industry, delivering top-notch performance and reliability.

<https://spraysensors.tecnar.com>

### **TELOPS/High Speed Imaging**

Telops a renowned brand in hyperspectral imaging systems and infrared cameras, is located in Quebec City, Canada. Telops specializes in the design and manufacture of high-performance equipment for defense, industrial, and academic research applications. Additionally, Telops offers R&D services for optical systems technology development, tailored to meet the specific needs of its customers.

High Speed Imaging Inc. (HSI) is the premier source for high-speed camera equipment within Canada. Our products include Hi-Speed video systems,

ultra-high-speed cameras, High Resolution digital imagers, Digital video recorders, Motion Analysis software, high-speed Infrared cameras, Digital Image Correlation systems and Ballistic measurement technology.

<https://www.telops.com/>

### **VRC Metal Systems**

VRC Metal Systems is a world leader in the development and manufacturing of cutting-edge high-pressure cold spray equipment utilizing supersonic velocities to bond metallic powders to nearly any metal surface. VRC also offers on-site support, process development for defense and commercial applications, turnkey solutions, equipment installation & integration, advanced automation, complete maintenance and complete on-site & remote production support.

VRC's high-pressure cold spray enables game changing solutions for dimensional restoration & repair, corrosion resistant coatings, dissimilar metals, additive manufacturing, hard surfacing, and field repairs.

Our meticulously designed robust systems continue to exceed our customers' expectations worldwide.

<https://vrcmetalsystems.com/>

*\*Exhibitor list as of 8/27/24*