

CENTERLINE-SST Cold Spray Technology and Applications

Dr. Julio Villafuerte

Centerline(Windsor)

With over 50 years of experience, CenterLine (Windsor) Limited., a Canadian private corporation, became recognized industry leaders in custom welding and metal fabricating equipment, servicing the needs of the automotive, mass transit and other industries worldwide. In 2003, CenterLine invested in Supersonic Spray Technologies (SST) to offer innovative coatings solutions by developing low pressure cold spraying, a novel solid-state spraying technology originally developed in Russia. Today, CenterLine offers a full line of low-pressure cold spray systems from SST™ handheld portable cold spray units to fully integrated robotic cold spray solutions. At CenterLine we believe innovation is the key to success. Therefore, the company continues to invest in R&D. As a result, CenterLine is about to add to its product portfolio the new Shockwave Induced Spraying (SISP) technology marketed as WaveRider™, a novel solid-state spraying method developed at the University of Ottawa. In this presentation, a description and benefits of CenterLine's cold spray coatings solutions will be presented along with examples of some practical applications