

OUR MISSION AT MACHINE SOLUTIONS INC. (MSI) IS TO PROVIDE UNIQUE AND INNOVATIVE PROCESS AND TESTING SOLUTIONS THAT ENABLE THE ADVANCEMENT OF MINIMALLY INVASIVE DEVICES



MSI Advantage™ Equipment design and manufacture.

Machine Solutions Inc. (MSI) was founded with the mission of providing innovative and effective proprietary mechanical solutions to a variety of complex process engineering and device design challenges. The MSI Advantage™ is advanced engineering and quality construction of made-to-specification process and testing solutions.

MSI has been instrumental in automating or semi-automating manual manufacturing processes within medical device manufacturers and niche non-medical applications. The MSI proprietary segmental compression technologies have been successfully applied to radial compression applications in numerous fields.



Catheter Testing

MSI catheter testing tools provide unique, self contained solutions that address some of the most common challenges in catheter testing. The MSI IDTE equipment comparatively and quantitatively tests and records the performance features of interventional devices including: catheters, guidewires, stent delivery systems, colonoscopes, endoscopes and scope tools. Common tests performed include: trackability, push efficiency, torquability and rotational response testing. The MSI testing equipment was designed with several international testing standards in mind.



Custom Automation Solutions

MSI remains dedicated to satisfying the needs of our customers by developing custom tools and equipment that advance and improve process development and testing methods of medical device manufacturers worldwide. Some organizations need assistance to solve a complex process or design challenge. Other organizations desire to utilize MSI's innovative and effective proprietary segmental compression technology in a new and unique application. No matter the challenge, MSI partners with you to achieve your goals.



Stent Testing

MSI stent testing tools have an emphasis on improving repeatability while increasing accuracy and resolution in your testing environment. The RX equipment from MSI is designed to measure and record radial stiffness, radial reactive force during expansion and compression of interventional devices. Testing results can be useful for regulatory submissions, pre-clinical trial testing, competitive product testing and new product design efforts. The MSI testing tools are designed to meet international testing guidelines.



STENT CRIMPING • BALLOON PLEATING & FOLDING • CATHETER & STENT TESTING
SWAGING • TUBE PROCESSING • SPRAY COATING • BALLOON BLOWING

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