

## Thermal Processing

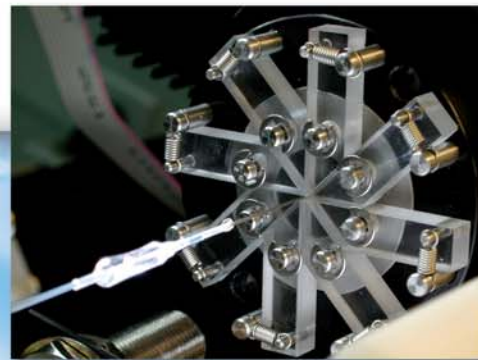
MSI thermal processing systems are used to apply heat for bonding or laminating applications for a wide variety of medical devices. MSI offers machines which utilize hot air for bonding as well as machines which use laser energy.

All hot air machines feature our Thinline™ or Microswirl™ thermal nozzle with 360° uniform product coverage and superior heating characteristics which reduce the incidence of hot or cold spots during the bonding process.



## Custom Equipment

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.



## Balloon Blowing/Forming

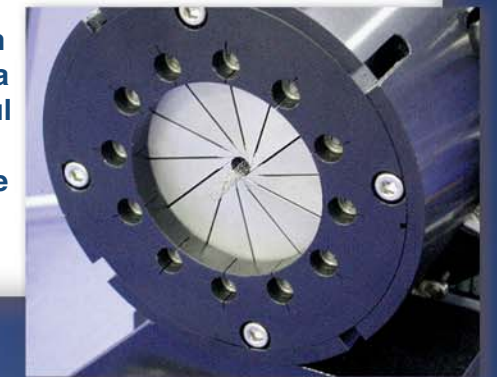
MSI balloon blow molding/forming machine features a highly flexible process control interface aiding in the rapid development of optimal balloon process parameters. Unique MSI heating controls offer several options for process development including spot heating along the mold length, uniform heating of the entire mold or a combination of the two.

Finished product will have improved qualities such as uniform shaft and taper wall thickness. Equipment flexibility will allow operation with various materials as well as both metal and glass molds.



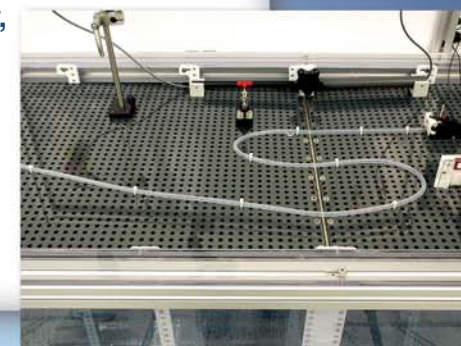
## Stent Testing

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 compression and chronic outward force during expansion and compression of interventional devices including: balloon expandable stents, self-expanding stent, stent graft products, collagen plugs, embolic filters and vena cava filters. Testing results can be useful for regulatory submissions, pre-clinical trial testing, competitive product testing and new product design efforts.



## 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.



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