

## MACHINE SOLUTIONS SERVICES

### SERVICE & SUPPORT

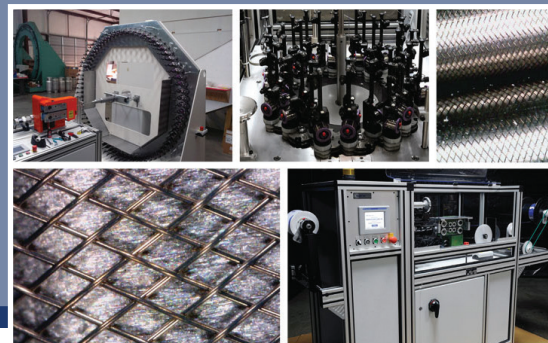
Machine Solutions believes that providing responsive service is just as important as selling new equipment. Our field service team is committed to maintaining your equipment and responding when you need them. Full-time service representatives train at our manufacturing facility to service all makes and models. Team members are located in the United States, Asia, and Europe for fast response times.



### BRAIDING R & D SERVICES

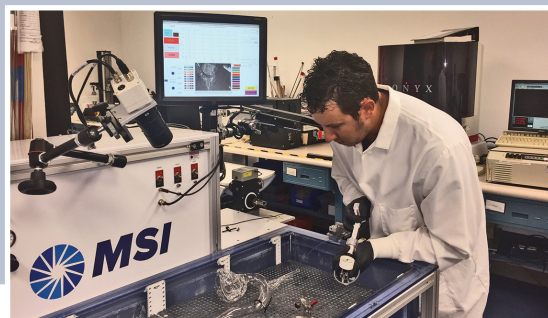
The Steeger USA braiding R&D lab on short or long term contract provides access to top-of-the-line equipment. Allowing you to develop and test processes for your full scale manufacturing.

- Modular cleanroom for Clinical Samples
- 8,12,16m24,32,48 and 96- carrier braiders to work with
- Coiler/spiral wrapper up to 16 wires
- Stranding for 3,4 & 7 configurations
- Run Trials or short production ramp up
- Contract source identification



### TESTING SERVICES

MSI expert testing technicians have years of experience in pre-clinical trial testing, competitive product testing and product design testing and to provide data useful for regulatory submissions. Our clients rely on our innovative testing equipment and industry-leading experts to test their products and ensure continued success.



WE HAVE EQUIPMENT TO MEET YOUR NEEDS FROM R&D TO HIGH YIELD PRODUCTION AND TESTING.

We have **manufacturing, testing equipment**, and services to meet the needs of your manufacturing process.

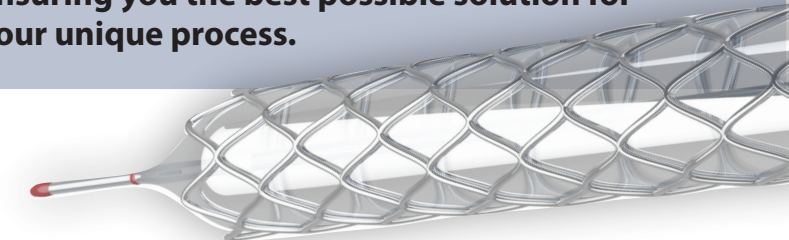
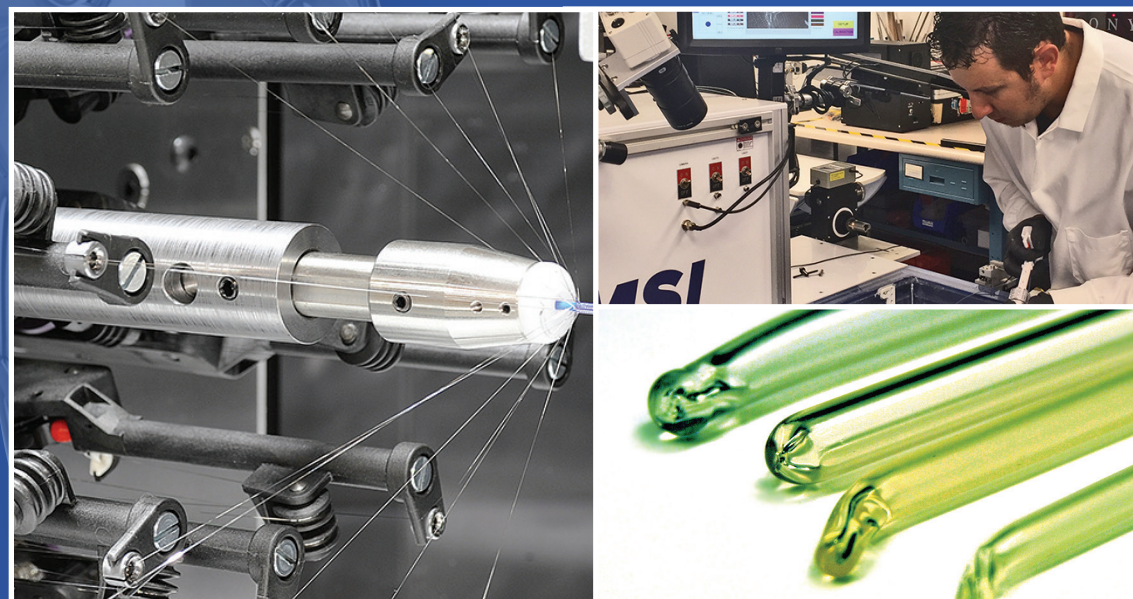
Our dedicated, **responsive service**, and support team works full time making sure your Machine Solutions equipment keeps running, **reducing your production line down time**.

## YOUR SINGLE SOURCE FOR MEDICAL DEVICE MANUFACTURING EQUIPMENT

*When you work with any of the divisions of **Machine Solutions**, you are more than a customer, you are a partner.*

**WE KNOW THAT YOUR CUSTOMERS EXPECT THE HIGHEST QUALITY PRODUCTS.**

With that in mind, we invested in a multi-million dollar machine shop to produce the best parts, expert engineers to design our solutions, and patented, innovative technology to produce the best results. We put our decades of **engineering expertise** to work, **ensuring you the best possible solution for your unique process**.



*When you work with **Machine Solutions**, you are working with the best equipment, with tight tolerances, and precise controls. You can feel confident that your products will prove superior.*

[WWW.MACHINESOLUTION.COM](http://WWW.MACHINESOLUTION.COM)





## MANDRELS

- Mandrel Manufacturing
- Mandrel Straightening

## CATHETER PROCESSING

- Tipping
- Soft Tips
- Closed End Tips
- Dilator Tips
- Neckdowns
- Flareing
- Flanging
- Hole Drilling
- Hole Skiving
- Polished Eye Forming
- Bonding
- Welding
- *Too many tipping options to list...*



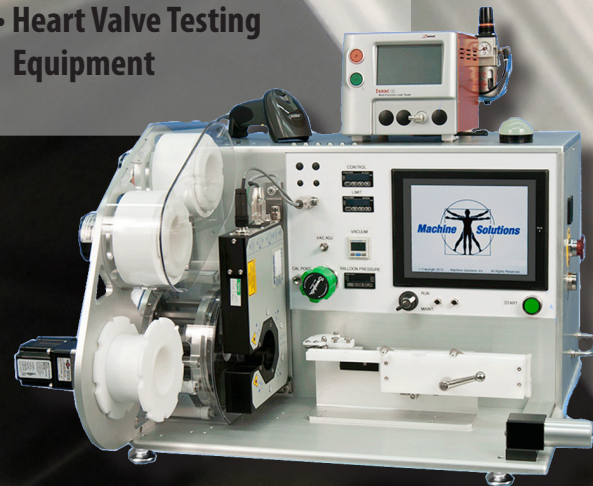
## BIOPHARMECEUTICAL

- RF Welds
- Heat Welds
- Sterile Connections and Disconnections
- Tube Seals, Connections, and Segmenting



## STENTS

- Drug Coated Stent Crimping
- Stent Loading
- Stent Crimping
- Heart Valve Crimping
- Stent Retention Testing Equipment
- Heart Valve Testing Equipment



## BALLOON CATHETER

- Drug Coated Balloons
- Pleating and Folding
- Balloon Sheath Loading
- Balloon Bonding
- Marker Band Swaging
- Radial Force Testing
- Balloon Catheter Testing



## BRAIDED CATHETERS

- Medical Braiding Equipment
- Stranding & Coiling Equipment
- Bonding
- Marker band Swaging
- Tipping and end forming
- Catheter Lamination
- Catheter Trackability & Force Testing equipment
- Torque Testing



MACHINE SOLUTIONS ENABLES OUR CUSTOMERS TO MAKE THE BEST MEDICAL DEVICES IN THE WORLD

WWW.MACHINESOLUTION.COM

