

Metal Finishing & Polishing

FMI Medical Instruments possesses comprehensive, in-house metal finishing capabilities. In most cases, your parts are fully completed without ever leaving our facility. Our experienced medical manufacturing personnel transform instruments and implants from a machined state to a "medical grade" finished part. Our capabilities include precision welding, sanding, buffing, heat treat, ultra-sonic cleaning, electro-polish, passivation and assembly.

Equipment

- Baldour buffers – 3/4 hp, 3,600 RPM
- Trinco Glass bead blast enclosure – various media type capable
- Miller Syncrowave 250DX TIG Welder
- Miller SP-250 TF with XR extended wire reach wire feed
- Burr Off vibratory Finisher Tumbler (E.S.) 5 cubic foot
- Raytech Centrifugal magnetic finisher (model CMF-1610)
- G & P Machinery 2-station, 5 HP, variable speed adjustment, wheel buffing lathes
- Schauer High-Speed buffing lathe
- Hammond Roto-Finish ER_0405 CLT Spiratron Vibratory bowl. 5 cubic ft. (using Ceramic Media)
- Hammond Roto-Finish RM-1P Roto-Max Centrifugal Disk (using plastic impregnated media)
- Bader Belt Sanders
- HBS Mark IV Manual Clean/Passivate/Electro Polish system with a working bin size of 19" x 25" x 20".

Cleaning & Processing

FMI has a 9-station, self-contained unit for cleaning, passivation and electro polish as well as a 75-watt Nd:Yag, High Speed, Class I Laser Marking system. HBS Corp custom engineered & built the Mark IV Manual Clean/Passivate/Electro polish system that contains Ultra Sonic Cleaning (utilizing Crest Equipment), Ultra Sonic Rinse, Citric passivate and Electro polish.

Equipment

- Lucifer Heat Treat Oven (capable of obtaining heat treatments to 2,200 degrees, envelope 12"x14"x24")
- Grieve Curing Oven (temp range 0-450deg F, 18.0" High x 32.0" Wide x 24" Deep)
- HBS Mark IV Manual Ultra-Sonic Clean/Passivate/Electro Polish system (bin size of 19" x 25" x 20")
- CSI High-Speed InstaMark "Signature" 75-watt Nd:Yag Laser Marking System with 4-Axis rotary indexing table and Class I Enclosure.