



About Swiss Automation

Swiss Automation is an industry-leading, ISO 13485-certified manufacturer specializing exclusively in precision Swiss-screw machining. We deliver complex, ultra-precision components that meet and exceed the stringent quality and regulatory standards required by the medical-device industry.

Precision Swiss-Screw Machining

- ◆ Tolerances as tight as $\pm 0.0001''$
- ◆ Complex geometries and miniature components

Materials Expertise

- ◆ Titanium & Titanium Alloys
- ◆ Cobalt Chrome (CoCr)
- ◆ Medical-Grade Stainless Steels (303, 304, 316L, 17-4 PH)
- ◆ Exotic and precious metals tailored to medical devices

Secondary Operations & Finishing

- ◆ Passivation & Ultrasonic Cleaning
- ◆ Laser Marking
- ◆ Custom Packaging for Medical Devices
- ◆ Validated Process Control and Traceability

Industries & Applications Served

Medical | Aerospace | Defense | Firearms | Electrical | Hydraulics | Pneumatic | Electronics | Automotive | Telecommunication

Inspection & Quality Control

- ◆ In-house deburring with multiple methods (thermal, hand, tumble, blasting, grinding)
- ◆ Extensive inspection equipment including optical comparators, profilometers, height gages, micrometers, CMMs, microscopes, laser analysis for precision measurement
- ◆ Over 15,000 gages for tight tolerances
- ◆ Quality standards exceeding machine capabilities

Customer Support & Services

- Engineering support from prototype to high volume production
- Detailed metrics documentation and sharing
- Continuous capital equipment investment
- Robust operator training
- Dedicated customer support and long-term growth partnership

Why Partner with Swiss Automation?

- ◆ Proven experience in medical-device markets
- ◆ ISO 13485 certified (medical device compliant)
- ◆ Consistent, repeatable precision manufacturing
- ◆ Rapid turnaround for prototyping through high-volume production
- ◆ Dedicated technical and customer support teams

