



# Precision Components for Medical and Life Sciences

RepExact refers customers nation-wide to domestic and European manufacturers of custom precision components, palm-of-hand down to micro/nano size. We are paid by the supplier. Available technologies include, but are not limited to:

□ Prototype <b>Milling</b>	□ Chemical <b>etching</b> and milling, including micro parts and multi-layer.
□ Prototyping and Manufacturing of precision <b>springs</b> , stampings, wire forms	□ <b>CNC</b> precision <b>grinding</b> of burs, rasps, reamers, bits, etc.
□ <b>Laser</b> micro machining of flat and tubular stock, including polymers and ceramics	□ <b>Microstructures</b> in or on glass, including bonded layers with vias for in-vitro
□ Centerless <b>grinding</b> of rod and wire	□ Machining and bonding of plastic <b>manifolds</b>
□ Volume <b>Swiss</b> machining and milling, including implants and instrument components	□ Manufacturing of low volume nano and micro sized optical, <b>MEMS</b> , and electronics components
□ <b>Injection molding</b> , incl. micro, multi-cavity, insert-/overmolding, gears, optical, in vitro, 3D MID, etc.	□ Precision <b>machining of polymers</b> , including implantables. 100% dry machining available
□ Precision metal and ceramic injection molding ( <b>MIM/CIM</b> )	□ Machining, lapping, polishing of sapphire, ruby, ceramics, and other <b>hard materials</b> for fiber-optics, microfluidics, etc.
□ Micro wire and sinker/plunge <b>EDM</b>	□ <b>Carbon fiber</b> (CFRP) parts
□ <b>Electrodeposition</b> (electroforming) of micro-parts with features down to 1 μm	□ <b>Authentication</b> solution adding a diffractive hologram to components or packaging. Counterfeit / grey market identification.
□ Small <b>tube bending and forming</b>	□ <b>Grinding</b> of hypo needles and cannulas
□ <b>Micro machining</b> of wire stock down to 0.2 mm (8 thous) for pins, probes, rivets, screws, thin-wall microtubing, etc.	□ <b>Coating and plating</b> of metals and plastics, including RF shielding and radiopaque applications

## Reshoring and Euroshoring Experts since 2007

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