



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

Reshoring and Euroshoring Experts since 2007

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