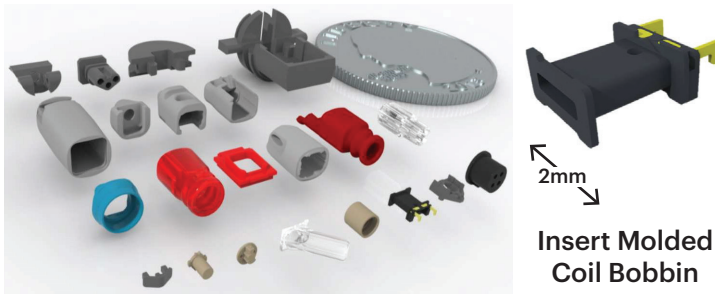


Exacting tolerances on a micro scale

Push the limits of miniaturizing components. With unmatched precision, our cutting-edge manufacturing technologies deliver the micro-miniature parts and assemblies that our customers demand. Work with Knowles – *the miniaturization experts* – and maximize your results.

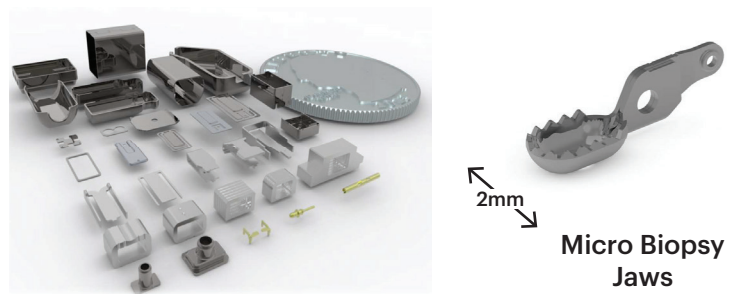
MICRO PLASTIC MOLDING

- » Micro Precision Molding
 - ± 9 microns
 - 36 micron walls
- » PEEK & other medical plastics
- » Cleanroom molding
- » Insert and Overmolding

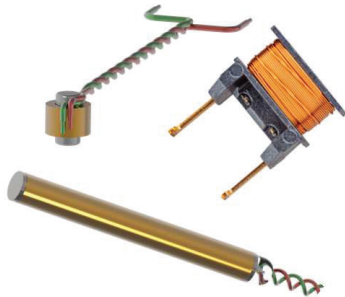


MICRO METAL PARTS

- » Micro Precision Stamping
 - ± 5 to 10 microns
- » Deep Draw
- » Medical-Grade Alloys
- » Secondary Operations
 - Plating
 - Annealing
 - Tape & Reel

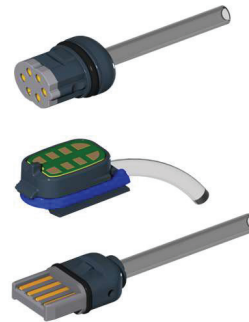


MICRO COILS



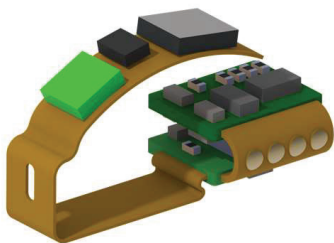
- » Surgical Navigation
- » Charging
- » Telemetry
- » Transduction
- » Electromagnets
- » 30-58 Gage Wire

MICRO CONNECTORS & CABLES



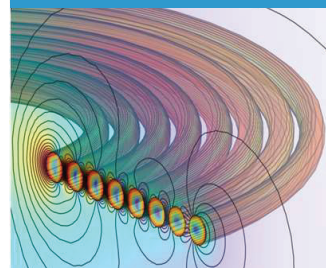
- » Vertically Integrated
- » Pin-and-Socket
- » Board Edge
- » Gaskets
- » Insert Molding
- » Over Molding

VALUE-ADD ASSEMBLY



- » Micro PCBA
- » Micro Flex
- » Sensors
- » Micro-Fine Soldering
- » Value-Add Assembly

ENGINEERING SERVICES



- » Design for eXcellence
- » Original Design
- » Design Optimization
- » Material Selection
- » Simulation
- » Reliability Testing



KNOWLES GLOBAL PROFILE

7000+ Total Employees
1000+ Engineering & Tech
\$700M Revenue

- Global Headquarters
- Manufacturing - 12 Locations
- Engineering and Sales - 12 Locations
- Global Distribution