

Making the complex simple— for the medical device industry



A Simple Solution

The Kenmode team redesigned an expensive, problematic screw machine part into a competitive, robust metal stamping that delivered 100% quality for the customer's final assembly.

The Kenmode team has years of experience in serving the medical device industry. We understand the strict standards of the industry and ensure that each part will meet or exceed those standards, time after time. Our large engineering and design team assist in part design and prototypes for testing and FDA submission. We then help translate that knowledge into precise production tooling solutions. Our automated in-line inspection and tooling technology and rigorous process controls enable us to produce a range from micro-miniature parts to larger components and assemblies.

EXPERIENCE

- For nearly 50 years, Kenmode has been delivering parts requiring extremely complex geometries and assemblies with zero defects.
- Kenmode produces a wide range of parts for medical devices, such as:
 - Micro-miniature parts
 - Insulin pumps
 - Implantable devices
 - Surgical devices: endoscopic, laparoscopic and others

CAPABILITIES

- Comprehensive services from design and rapid prototype through in-house tooling, production and assembly.
 - 3D CAD Design
 - In-House Tool Build
 - High-Precision Machining
 - 3-D Hard Milling
 - EDM Machining
- Complies with all medical device standards related to parts production, ISO 9001/2000





Contact Kenmode at:
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CAPABILITIES (cont.)

- Secondary Operations:
 - Forming and laser welding
 - In-die sharpening technology (replacing secondary grinding operation in some cases)
 - Precious metal plating: pre-plating, post-plating and spot-plating
 - Relationships with certified overmolders of medical grade elastomers and polymers
 - Specialty cleaning and deburring
 - Electropolishing
 - Passivation
 - Assembly
 - In-tool assembly of two or more components
 - Sterilization
 - Custom packaging
- Experience in working with all types of materials:
 - Stainless steel
 - Titanium
 - MP35N
 - Platinum iridium
 - Niobium
 - Tantalum
 - Aluminum
 - Copper
 - Custom shaped wire
 - Material thicknesses range from .002 to .125
- Exporting capability

EQUIPMENT

- One of the largest Bruderer and Minster shops in North America
- High-speed precision presses
- In-die sensors
- Computer-controlled optical gauging equipment
- Video inspection equipment
- Assembly equipment to handle multiple components

PEOPLE AND FACILITIES

- Headquarters in Algonquin, Illinois (25 miles northwest of Chicago)
- One of the industry's largest and most experienced engineering, design, and tool & die teams with more than 60 industry experts and craftsmen.

