

Deringer-Ney is a vertically integrated ISO13485 company leveraging many capabilities...a convenient “one stop shop” for medical device manufacturers...

- ***Metal Alloy Development, Melting, Alloying, and Casting***

- ***Component Manufacturing***

- Precision Cold Forming

- Wire Forming

- Microstamping

- Custom Insert Molding

- Precision Machining

- Welding and Brazing

- ***Medical Device Subassemblies***

- Sliding Contact Assemblies

- Electrical Brush Systems

- Electrode Arrays

- Cable Assemblies

- Insert Molded Contact Assemblies

## ***Medical Device Subassemblies Used In...***

- CT Scan Machines

- Implantable Pulse Generators

- Intravascular Surgical Devices

- Blood Glucose Meters

- Hearing Aids

- Blood Gas Analyzers

- Medical Imaging Systems

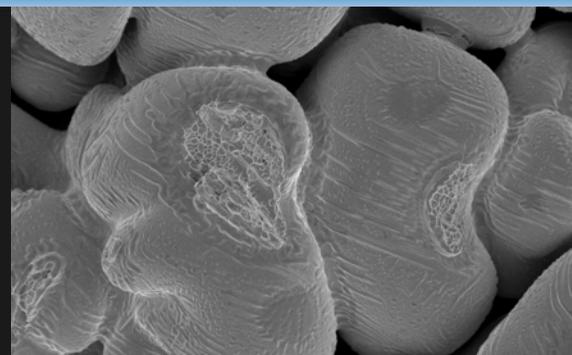
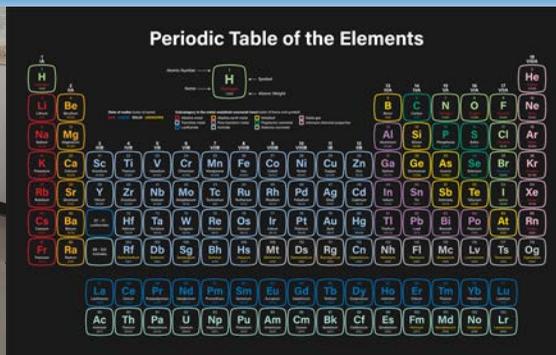
- Analytical Instruments

- Neuro-Stimulation Equipment



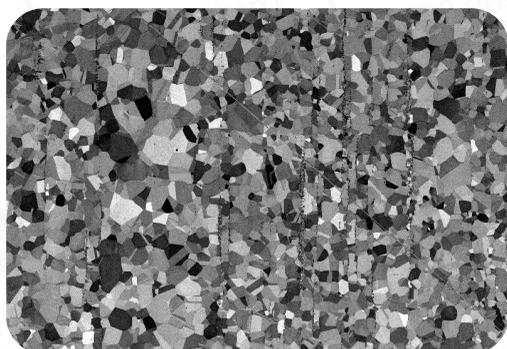
Pictured above is a small part of the Deringer-Ney medical assembly division located in Nogales, Mexico supported by our Bloomfield, Connecticut and Marshall, North Carolina manufacturing facilities.

# Deringer-Ney Research and Development *Design and Support Resources*



## On-Site Materials Research, Development, and Characterization Capabilities

- Full staff of materials scientists, engineers, and technicians
- Extensive chemistry laboratory for material characterization and production support
- Application engineering support for product development collaboration between Deringer-Ney and our customers



### SEM - Scanning Electron Microscopy

- High magnification surface images
- Microscale chemical analysis with energy dispersive X-ray spectroscopy
- Experts in the use of SEM to analyze...
  - electrical contact and wear
  - environmental interaction and corrosion
  - material joining and assembly & material behavior

### Chemistry Analysis

- XRF - X-ray fluorescence for measurement of primary alloy constituents
- ICP-OES - Inductively coupled plasma optical emission spectroscopy for measurement of minor alloy constituents and impurities
- Specialists in the measurement of precious metal alloy chemistries

### Mechanical Testing

- Tensile testing - mechanical loading capability from grams to tons
- Microhardness testing for small, delicate components (Vickers and Knoop scales)

CONTACT US @ 860-286-6101 or [www.DeringerNey.com](http://www.DeringerNey.com)

