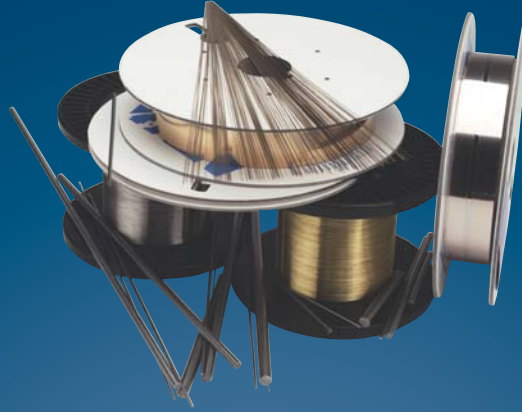


PRODUCTS AND SERVICES FOR THE MEDICAL INDUSTRY

Custom Alloy Development,
Precious Metals & Fine Wire



Product Development
Design Assistance



Injection & Precision
Insert Molding

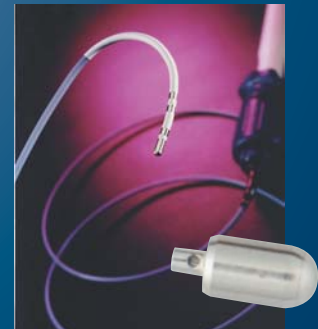


DERINGER-NEY INC.



Screw Machine Components,
Implants & Copings

Assembly & Contract Manufacturing Services




← Actual size

Precision Stamping & Ultra-Small Components

YOUR TOTAL SOLUTION FROM A SINGLE SOURCE

IN DERINGER-NEY INC.

DERINGER-NEY BRINGS TOGETHER TWO INDUSTRY LEADERS

 Deringer began over 60 years ago producing ultra-small, precision metal components and electrical contacts. J.M. Ney began in 1812 by providing noble & custom alloys, precious metals, dental alloys and medical components. We offer a full range of products and services. By vertically integrating a wide range of capabilities you can consolidate your supplier base to achieve...

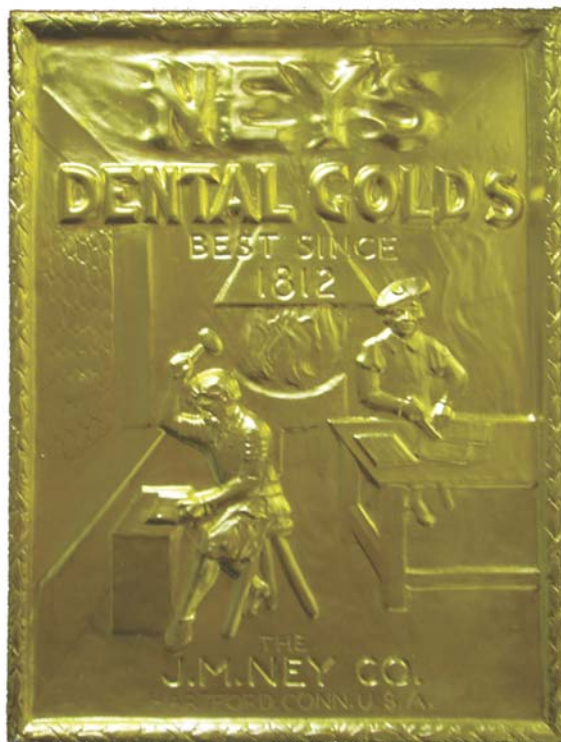
YOUR TOTAL SOLUTION FROM A SINGLE SOURCE



A LONG HISTORY PROVIDING DENTAL



...WITH A COMBINED HISTORY OF OVER 250 YEARS.



Paliney®

Neyoro®

Platinum/Tungsten

Platinum/Nickle

Platinum

Stainless Steel

Gold

Palladium

Iridium

6019 (Au/Pt/Pd/Ir)

Silver & Silver Alloys

Nickel and Nickel Alloys

Tantalum

Nitinol

AN ALLOY PRODUCER DATING BACK TO 1812

The J.M. Ney Company is the 5th oldest continually operating company in the United States. Ney was started in 1812 as one of the first gold refineries in America. Local dentists began using Ney's Gold in rope and pellet form to fill cavities and formal dental products were offered in 1828. Through the early 1900's special dental alloys were developed and Ney produced cast clasps, bridgework, partials and inlays for the dental industry. J.M. Ney also introduced "Option" material, a Palladium-based Porcelain-Fused-to-Metal product.

AND MEDICAL ALLOYS & COMPONENTS

1982

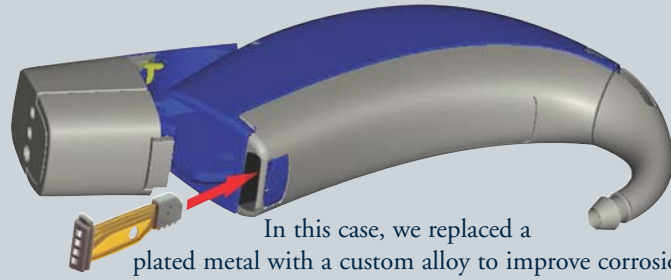
Introduction of Palladium-Based Materials for Dental & Medical Application

1994

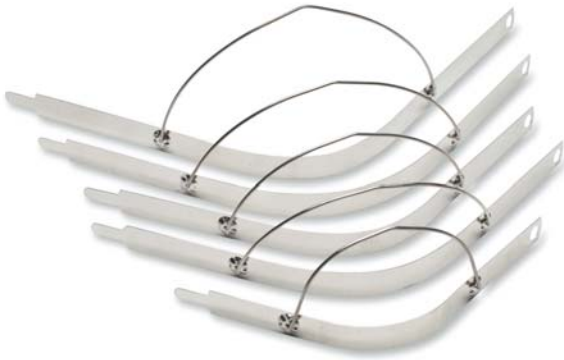
Begin Producing Copings for the Dental Industry

PRODUCT DEVELOPMENT & DESIGN ASSISTANCE

Our on-site material scientists and mechanical, electrical & manufacturing engineers have decades of experience designing precision components and assemblies of all types and are available to help optimize your part's performance, ease of manufacture and cost. A rough sketch is all that's needed to get the process started.



In this case, we replaced a plated metal with a custom alloy to improve corrosion resistance and product life. We worked with their designers to develop an insert molded connector produced to exacting tolerances.



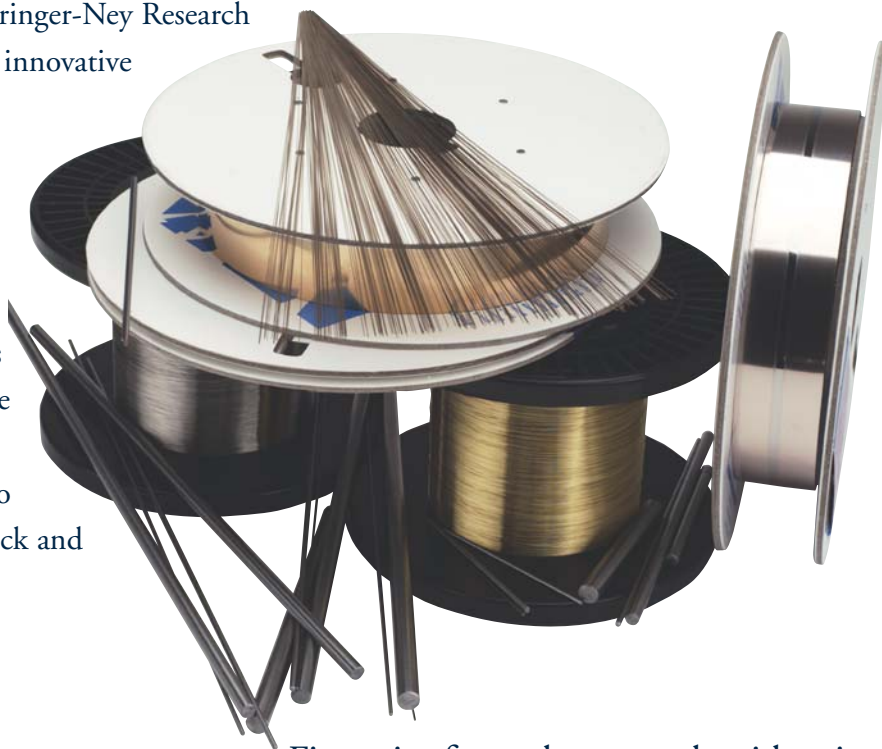
Stamped components for IV bottles.



CUSTOM ALLOY DEVELOPMENT & FINE WIRE

In addition to a long history producing platinum, dental and other precious metal alloys, we can tailor a custom alloy to meet your specific needs. The Deringer-Ney Research Group is internationally recognized for its innovative materials solutions to our customers' most challenging problems. We are constantly offering new and creative materials solutions to the vexing material design issues faced by our customers.

Deringer-Ney produces fine wire from less than .003" (.076mm) in diameter and tape & strip from .001" (.025mm) thick. Lengths range from miniature cut pieces to continuous reels. Flat, half round, rod stock and custom configurations are also available.



Fine wire for catheters and guide wire

PRECISION METAL COMPONENTS

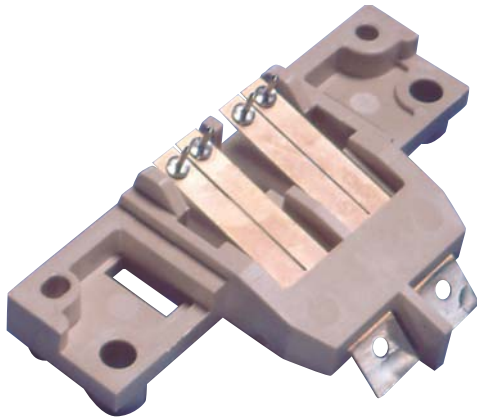
Deringer-Ney offers a wide range of processes for producing ultra-small, precision components including multi-station progressive stamping, multi-slide forming, Swiss-style screw machining and MICROMfg – Deringer-Ney's proprietary process to cold-form ultra-small components to the tightest of tolerances. We cast and process our own alloys. Any scrap or machinings from our screw machine operations are recycled and tested right on the premises.



Implants & Copings



IN DERINGER-NEY INC.



Custom alloy, precision stamping and insert molded blood analyzer component

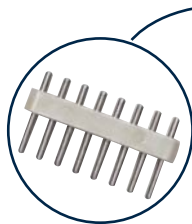
PRECISION INSERT MOLDING

Ultra-small injection and insert-molded components produced to tight tolerances are our specialty. Parts are available in reel-to-reel or in singulated form. Complex metal components produced by Deringer-Ney or consigned by our customers are insert-molded into final assemblies.

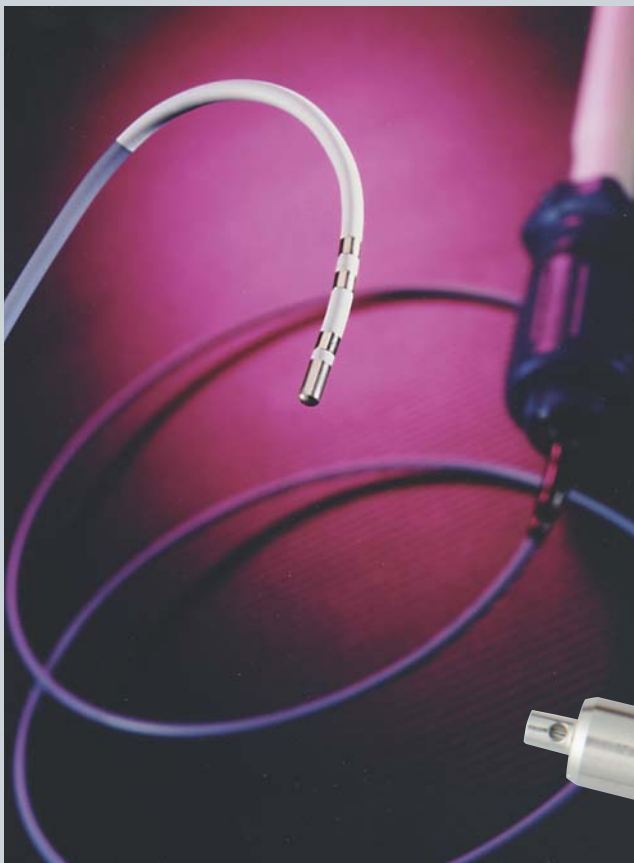


Insert-molded catheter connector

Insert-molded Paliney® 6 sliding contact position sensor for medical instrumentation



Precision stamping and insert-molded component for nerve sensing during surgery



ASSEMBLY & CONTRACT MANUFACTURING SERVICES


Our recently expanded facility in Nogales, Mexico provides precision stamping, molding, resistance welding and assembly operations. Our Nogales facility is geared specifically to assembly and secondary operations, with an eye toward efficiency and overall savings. Our automation group can design fully automated cells to provide consistent, low-cost assembly for high volume applications.

ISO and FDA Quality Systems Our four manufacturing locations are all registered to ISO 9000 and our domestic facilities are registered to QS-9000. Our Connecticut facility is FDA registered and registered to the ISO 13488 Medical quality standard.



COMPONENTS FOR HEARING AIDS

Actual size .080" (2.03 mm) long



On-off switch stampings and Four-Slide components in custom alloys



Volume switch wiper in custom alloy to eliminate plating
Actual size of .061" (1.55 mm across)



Available in singulated or strip form

Connectors with custom alloys, precious metal stampings and tight toleranced insert molding



DERINGER-NEY INC.
MANUFACTURING FACILITIES



DERINGER-NEY INC.

ABOUT DERINGER-NEY

Deringer-Ney is a vertically integrated manufacturer of High Performance Alloys, Precision Metal Components, Precision Insert Molded Components and Part Assemblies. Typical products are Electrical Contacts & Rivets, Ultra-Small Metal and Plastic Components, Screw Machine Parts, Fine Wire and Films. Capabilities include Custom Alloy Development, Product Design and Development, Prototypes, Tooling Design and Build, Part PPAP, Fully Integrated Manufacturing and Project Management. Manufacturing processes include stamping, cold forming, machining, multi-slide forming, brazing, welding and insert molding. The markets we serve include Automotive, Electronics, Appliance, Medical and Industrial applications. Deringer-Ney has sales representatives in North America, Europe and Asia. Deringer-Ney has four manufacturing locations - all are registered to ISO 9000 and QS-9000. The Connecticut facility is also FDA registered and registered to the ISO 13488 Medical quality standard.

www.deringerney.com

Phone Inquiries: 860.286.6101 • E-mail Inquiries: info@deringerney.com

Mundelein, Illinois Phone: 847.566.4100 • Fax: 847.566.5370

Bloomfield, Connecticut Phone: 860.242.2281 • Fax: 860.242.5688

Paliney and Neyoro are registered trademarks of Deringer-Ney Inc.