



Implanted Medical Devices: Cleaning, Deoxidation and Electropolishing

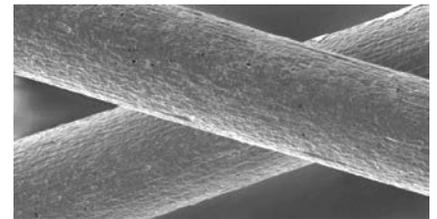
RBP Chemical Technology, Milwaukee, Wisconsin

When a failure of an implanted medical device is not an option

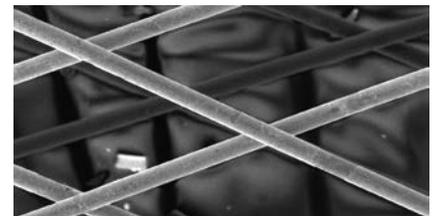
RBP Chemical Technology is the leader in development, manufacturing and the distribution of specialty chemical processes for the cleaning and passivation of implanted medical devices. Our processes are formulated to remove cutting oils, heavy oxidation and other soils from Nitinol, Cobalt Chrome, Stainless Steel and titanium. In addition, RBP has developed electro and chemical polishing solutions to enhance the appearance and corrosion protection of the devices with only minimal amount of metal removal. This is beneficial in terms of quality, reliability and overall cost.

RBP has developed a suite of proprietary processes that will clean, deoxidize chemically polish metal based medical devices such as stents, heart valves, metal catheters, artificial limbs, and dental implants. RBP's medical implant proprietary processes are formulated specifically for the metal to be cleaned and polished. RBP's R&D teams continues to enhance the cosmetic and corrosion protection attributes of our processes to bring the most value to medical device companies.

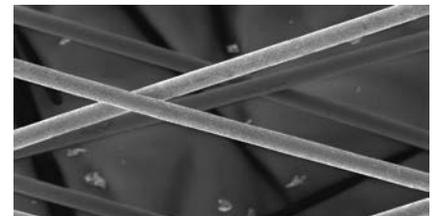
RBP has developed proprietary additives that enhance the polishing quality of its chemical processes. These additives are designed to smooth out surface imperfections of the raw metal aiding in creating a smooth and uniformly polished surface.



Nitinol braided wire after oxide removal with RDZ-1995



Nitinol braided wire after heat treat and prior to cleaning and polishing-note oxide remaining on wire



Nitinol braided wire after cleaning and electropolishing with RBP RDZ 1995 and RDZ 1676

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Safety In Processing



Eliminate safety concerns associated with flammable processes

RBP Chemical Technology Company has developed a unique line of chemical processes for polishing Nitinol, Titanium, Cobalt-Chrome, Stainless Steel, and Titanium Alloy Ti6Al4V medical components. Our pre-clean and deoxidizer thoroughly removes organometallic compounds and oxides that are produced during the drawing process used to form the tubing. Our Nitinol process is compatible with all laser technologies (such as femto laser, thermal and gas). Our formulations can be tailored to produce your desired surface topography and finish.



RBP has multiple solutions for cleaning, deoxidizing and polishing of the various metals. Our impressive list of medical device companies using RBP's processes is a testimony to our robust and widely accepted product line.

RBP's team of experienced engineers and R&D chemists are available for a consultation for the best ways to enhance the reliability of your implanted medical devices.

For more detailed information, please review our medical chemistry web page:

www.rbpchemical.com/medical-implant-devices/

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