

## DANCO MEDICAL OFFERS

# Low Friction Chrome Coating

The finish of choice for medical manufacturers of instruments, Low Friction Chrome provides an improvement of service life, enhanced performance, and preserves the cosmetic appearance of the medical device.

### Attributes and Advantages

Some of the attributes and advantages of this finishing process are as follows:

1. Reduces wear in general and in particular on cutting edges due to the high Rockwell hardness.
2. Reduces friction on mating parts.
3. Heat buildup during cutting operations is reduced as a result of the low friction property.
4. Improves corrosion resistance.
5. Autoclavable many times offering great improvement concerning spotting, discoloration, peeling, rusting or other degradation of the instrument surface.
6. Nickel sensitivity in patients is eliminated as a result of the barrier formed by the coating on nickel bearing instruments or cutting tools.
7. Applicable for all grades of Stainless Steel and can also be utilized as a coating on some ferrous and non-ferrous metals, including brass.
8. Electrically conductive but non-magnetic properties are compatible with operating room electronics.
9. Biocompatible: Conforms to ISO 10993 & USP Class VI Biomedical Coating standards.

### Process Options and Cosmetic variables:

A variety of finishes are available to meet specific requirements as to "look and feel" of the device, including satin and high polish after plating.

Deposition of chrome coating may be prevented in selected areas through conventional masking techniques.

Relative low temperature process does not distort or change physical properties of the instrument.

Conventional marking methods including laser provides identification flexibility.

Special consideration for chrome application when recesses, ID's and knurls are involved. Conforming anodes adds cost and lead time.

### Applications

Applications include, but are not limited to, the following:

Cutting blades, needles, drills, reamers, taps, broaching tools, cannulas, drill guides, oscillating saw blades, laparoscopic and endoscopic instruments, chisels, clamps, guide blocks, cauterizing blades

There are other factors which may affect the application of anodized coatings or the base product after anodizing. Please consult with our technical support staff.