


## *Electroless Nickel*

### *Perfect for Tight Places*

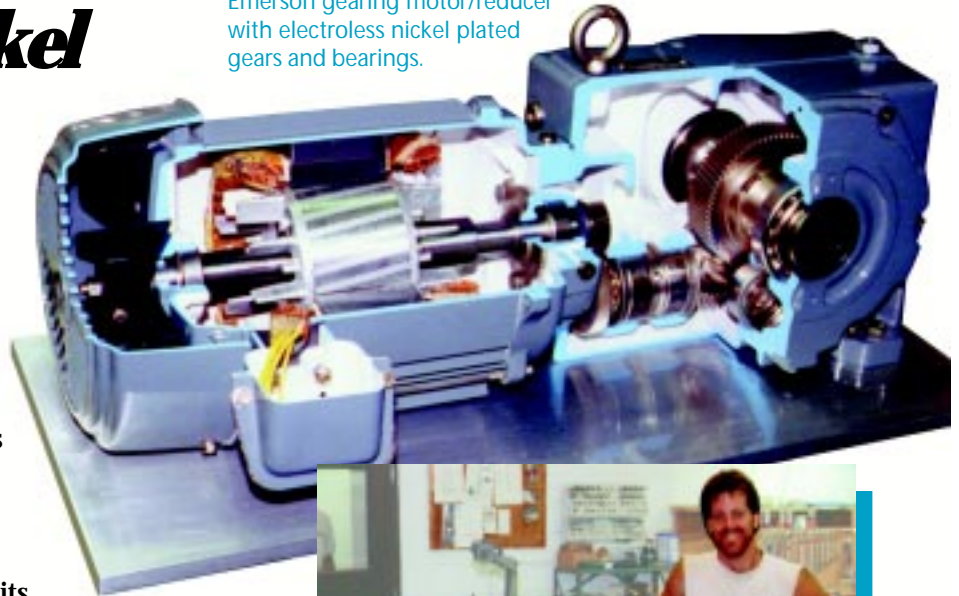
Cutaway models expose many components that are normally protected from corrosion by oil or other fluids. Therefore, we generally need to provide some kind of plating to enhance the display and keep it from rusting. Although many times we use electrolytic nickel/chrome, this process has certain limitations...including uneven build and inability to "throw" into tight places.

Electroless nickel chemically deposits nickel onto metal components. Build is even and predictable, making it an excellent choice where clearances are very tight and adjusting those clearances would not be practical.


This is especially appropriate for today's close tolerance geartrains. 

Cutaway specialist Randy Johnson with Rexnord/Brook Hansen Mixer Drive. All shafts, bearings, gears, and fasteners were electroless nickel plated.

Emerson gearing motor/reducer with electroless nickel plated gears and bearings.

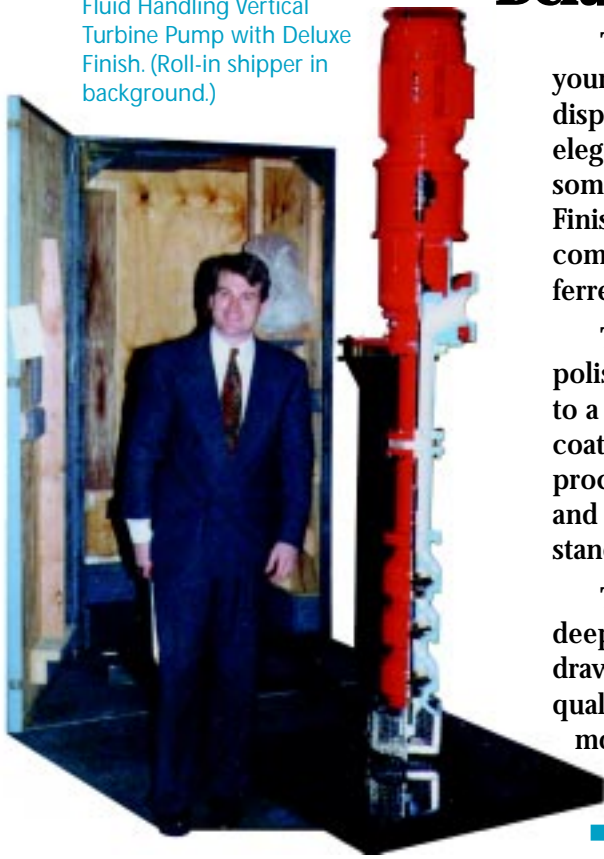


## Wheels on Wheels

Robert Bosch Corporation recently asked us to develop a way to demonstrate their new "quick-change" disc brake system for semi-trailer trucks. Working with their display house, Exhibit Partners, we designed a tubular steel base with casters to support the unit. Using a standard truck drive axle, we cut out the differential and mounted the resulting "mini-axle" to the display column. Bosch can now demonstrate how their brake pads can be changed in a matter of seconds by loosening two bolts. 

Bosch brake display with painted stand and axle and electroless nickel plated disc and fasteners.

Frank Carolan of Contempo Design standing next to ITT Fluid Handling Vertical Turbine Pump with Deluxe Finish. (Roll-in shipper in background.)



# Deluxe "Euro" Finish Gaining Popularity

There are many ways to finish your cutaway and/or product displays...but by far the most elegant is our Deluxe Finish. (It is sometimes referred to as a "Euro-Finish" because many European companies choose it as their preferred display finish option.)

The Deluxe Finish includes polishing and smoothing all surfaces to a mirror finish. As many as 15 coats of paint are applied. The process is also very labor intensive and costs 2 to 3 times more than a standard finish.

The resulting finish is rich and deep with high gloss that really draws attention. It shouts "top quality"...and that is why more and more of our clients feel it is a good value despite the added cost.

## Here's the Process:

- ❑ All castings are ground as smooth as possible.
- ❑ All components to be painted receive 2 coats of DuPont Variprime. This catalyzed primer uses an acid etch to increase adhesion to bare metal.
- ❑ Next, 3 to 4 coats of Glasurite Epoxy Primer are applied. This combination primer/filler/sealer is hand sanded between each coat to smooth any imperfections.
- ❑ 1 or 2 coats of Dupont Fill and Sand are then put on for visual inspection and final filling and smoothing.
- ❑ 2 to 4 coats of Dupont Centari catalyzed automotive base coat enamel are then sprayed on.
- ❑ The final step is a coat of activated urethane Chroma Clearcoat
- ❑ In addition, all shafts, fasteners, springs, covers, and other hardware are polish chrome plated.



## How to Contact Us

For more information regarding this newsletter or details on how to dramatize your product presentations, please call, write, fax, or e-mail Tom Calhoun at:



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## Web News

Congratulations to Don Stoltz of the Falk Corporation who won dinner for two at the Olive Garden Restaurant. Don correctly identified "Farley" as the dog in the **Application of the Month** Contest in our last newsletter.

And, be sure to visit our website regularly for updated application stories, as well as a wealth of information about effective use of cutaways in your business.

## Tom Calhoun Has Worn Many Hats



Calco's President, Tom Calhoun, has had a varied career. After receiving his BS from Iowa State University in 1967, he earned a commission in the U.S. Navy through Officer Candidate School. He spent three years aboard destroyers. In 1970, he was assigned to teach Navy ROTC at Purdue University. While there, he earned his MS in Industrial Management.

After leaving active duty, Tom joined the American National Bank in Chicago, where he was involved with commercial lending and international finance. His seven years at the bank included 3 years as Deputy General Manager at the bank's branch in London, England.

In 1980, Tom left banking to join Calco. Leaning heavily on his technical experience in the Navy, Tom soon began expanding the customer base of our cutaway services. "I have always been fascinated by anything mechanical," he recalls. "It's really fun to help our clients show the features of their products in the best possible way."

Tom lives in Palatine, Illinois with Linda, his bride of 32 years. Oldest son Chris lives in Indianapolis with his wife, Jeanne, and their one-year-old daughter, Jessica. (Child #2 is due in June.) Other son Brian lives in Torrance (L.A.) California and is pursuing a music career.

Tom is active in Rotary International and is Assistant Director of Music at the Barrington Methodist Church. Both Linda and Tom are avid fitness enthusiasts and love to travel.

