



# EXOTIC

AUTOMATION & SUPPLY

## Custom Mold and Casting Rods for Catalytic Converter

### Problem

The customer has steel rods which are used to move catalytic converter material. They had used rubber zip-tied to these bars to prevent damage to the material. The zip-ties would fall, and they would have to shut down the machines in order to reattach the rubber. The customer was not able to work as efficient as possible with this method.

### Solution

The Exotic team was able to look at the application and find a solution. The construction of a mold and casting urethane around the rods allowed for the customer to run without fail for 2 months, where previously it failed daily. Exotic has now began casting the rest of the rods provided by the customer for the plant.



### Featured Products

**SPD Cast Urethane-** Manufactured by Exotic's Engineered Rubber & Plastics Team. Urethane bonded and cast around customer supplied rod. This provides in-system damage protection during customer processes and significantly reduces time and maintenance requirements. Urethane is a unique material in that small changes in formulations can result in vastly different properties. For this application, the material needed to be extremely durable, but soft and abrasion resist in order to not damage the customer's parts.

Success Factors	Customer Value
Exotic's team was able to customize a molded product to prevent any damage to the material as well as improve efficiency.	The custom urethane product protects against damages and eliminates shutting down the machines to reattach the rubber pieces.