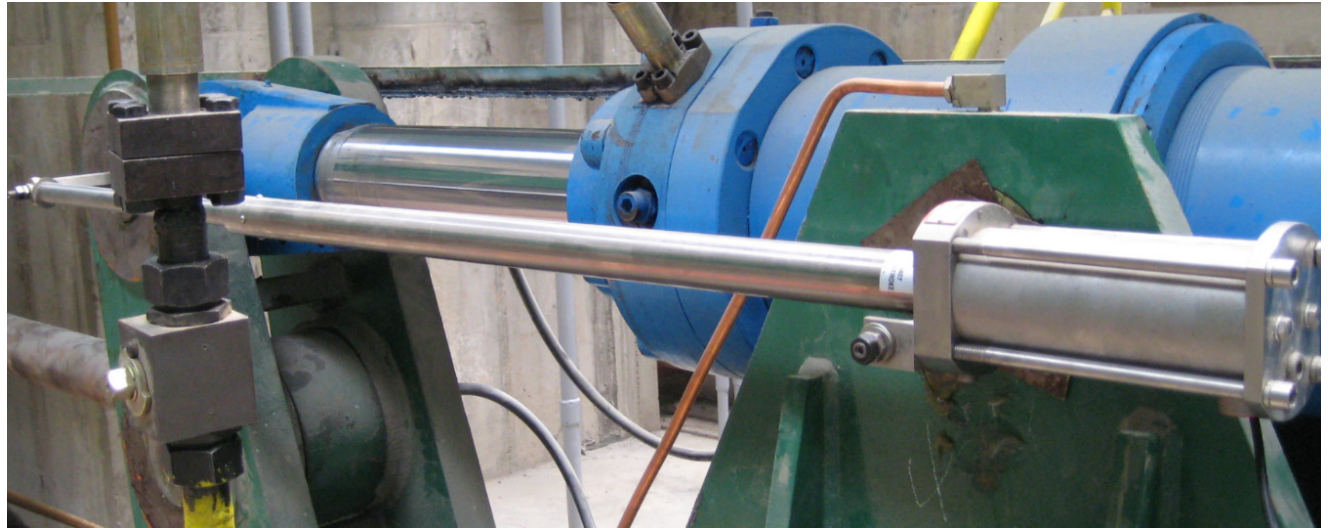


## Eliminate Downtime by Mounting Position Feedback on Industrial Hydraulics

Hydraulic cylinders are used in a variety of applications and industries to move heavy loads. To automate these machines the hydraulic cylinder is typically gun drilled and a linear position sensor is installed to provide positional feedback. To upgrade an existing hydraulic cylinder that does not currently have position feedback, the cylinder in question must be removed from the application and sent to a facility that is capable of gun drilling and prepping the cylinder for an LDT (Linear Displacement Transducer).

Faulty specification or “the cheap solution”, can lead to a catastrophic failure of the sensor or the complete hydraulic system. This can lead to unscheduled downtime, which means that the cheap solution often ends up being more costly when looking at the budget, the production time and the plant safety.



### Two Solutions That Secure Longevity and Efficiency

The Gemco 950 Mill-Duty Housing Series (950MD) was designed for applications where mounting a stand-alone rod style linear displacement transducer (LDT) is prohibitive. Potential physical damage, environmental conditions or mounting limitations are elements that are involved in specifying a linear position feedback system that will perform flawlessly for many years to come.

The 950MD housing has been designed to eliminate all of the above problems by protecting the LDT from environmental factors such as temperature, corrosives, shock, vibration, or dust and debris. Additionally, the 950MD offers a simple two-point mounting scheme that can compensate for lateral and/or horizontal movement of the machine while in operation.

The 950MD housing is perfect for retrofitting existing cylinders with a Gemco 953 VMax LDT providing a continuous position feedback signal. The 950MD allows for a convenient way to mount an internal position sensor outside the hydraulic cylinder. The linear displacement transducer will then measure



the positioning mounted parallel to the hydraulics cylinder instead of inside the cylinder. This eliminates the need to tear down and gun drill the cylinder to accommodate a position sensor simply for providing position feedback that had not previously been available.

The housing may also be of benefit in this same configuration when you have an existing cylinder in operation that does not allow for easy removal of the LDT. Certain machines require that the entire cylinder is removed to replace the LDT. This means stopping the production line for a longer period of time.

### ► Benefits

- Simplifies installation and maintenance of linear transducer
- All-Stainless-Steel housings offers protection in harsh environments
- Increased productivity
- Improved safety
- Accurate position sensors mean accurate operation
- Wide selection of linear displacement transducers can be mounted inside the 950MD housing

### ► About Gemco

Gemco holds more than 50 years of experience. We pride ourselves on packaging sensors to work flawlessly in the most hostile environments.

Gemco's experience spans over applications on cranes, bridges, locks, dams, steel mills, foundries, ship yards, stamping presses, and many other harsh industries which have provided us with the capability to offer custom sensor combinations to meet almost any needs. Gemco is manufactured and supplied by AMETEK STC.

Gemco has the largest selection of standard and custom linear displacement transducer products. With over 1,000,000 possible combinations in our standard units alone, we are certain to have a solution for your specific application.

Consult AMETEK Factory Automation at +1 248-435-0700 to discuss your application, or visit the website and learn more details on Gemco products.

[www.ametekfactoryautomation.com](http://www.ametekfactoryautomation.com)



Gemco 950MD



Gemco 953 VMax Linear Displacement Transducer

### Versatile Mounting to Match Most Applications

