

# HYDRAULIC SERVICES CAPABILITIES

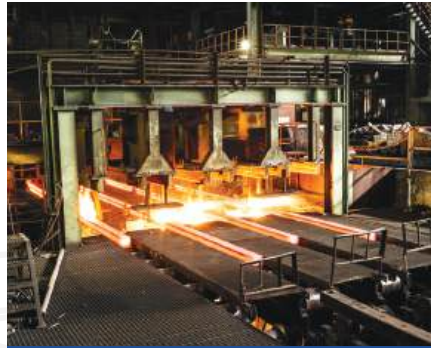
for Mobile & Industrial Hydraulic Systems

Meeting critical service needs for MOBILE and INDUSTRIAL hydraulic system MRO's and their customers WORLDWIDE!



Solutions for leading injection and blow molding machine brands including:

- Husky
- Milacron
- Engel
- Demag/Sumitomo-Demag
- Van Dorn
- Battenfeld/Wittman Battenfeld
- Krauss Maffei
- Nestal
- Sumitomo-Demag
- Sipa



Ferrous and non-ferrous metal processing systems:

- Aluminum Plants
- Brass Extrusion Makers
- Foundry
- Forging Mills
- Steel Mills



Mobile OEM hydraulic systems solutions for these leading machines

- Caterpillar
- Volvo
- CNH
- John Deer



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# HYDRAULIC SERVICES CAPABILITIES

ETS offers complete hydraulic repair services for:

- **Pumps & Motors**
- **Standard & High Performance Valves**
- **Manifolds**

From steel mills to injection and blow molding operations, to mobile environments, our repair services cover

all leading brands of equipment using **GENUINE**-brand new spare parts, and state-of-the-art test and service suites.

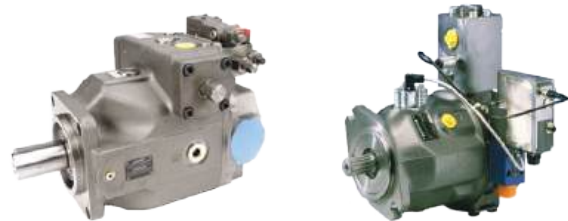
ETS stocks nearly \$35M of **GENUINE**-brand new inventory on two continents, to effectively service customers on a global basis, often with overnight shipping of parts, and one to 3 day turns on unit repairs.

## FAST TURNAROUND SERVICE

ETS offers **standard 1-3 days** repairs and returns on all pump, motors, and valves. For “urgent” breakdown situations we also offer **24-hour URGENT service** turnaround repair and/or **service replacement**.

### UPGRADES

*To improve performance  
of older machines*



### RETRO-FITS

*For obsolete products*



### FULL SERVICE OPTIONS FOR MANIFOLDS



### SERVICE REPLACEMENT UNITS



## STATE-OF-THE-ART VALVE TEST STANDS

State-of-the-art “green technology” valve test stands capable of testing and calibrating old style proportional and servo valves or newer design with OBE (on board electronics) and canbus style design. A simple plug and play concept— only from ETS!

## CUSTOM HARDWARE FROM NATIONAL INSTRUMENTS

ETS offers custom hardware from National Instruments and Labview software that enables us to calibrate, analyze, and plot hysteresis curves for flow, pressure, leakage, spool position and phase lag.



## CUSTOM DESIGNED & MANUFACTURED VALVE TESTERS

ETS offers custom designed and manufactured valve testers for “on site” fault finding and testing. These are useful for troubleshooting proportional and servo valves found in industrial and mobile markets such as clamp and injection valves, with the ability to control the safety isolator valve.

## ETS ALSO OFFERS HYDRAULIC TRAINING!

*We Have The Expertise To Enable Your Staff To Maintain  
& Repair Your Hydraulic Systems*

As members of the NFPA, ETS is committed to offering quality hydraulic education courses and training for our customers, sales, maintenance technicians, engineers, operators, students, or anyone interested in the fluid power industry.

ETS provides a range of hydraulic training classes, from basic hydraulics, to maintenance repair and setup as well as several advanced classes. Visit us at [etshydro.com/training](http://etshydro.com/training) for more details and see our dedicated brochure for more information.

