



FastTest®
Your Productivity Connection

CONNECTION TECHNOLOGY FOR ENGINE AND VEHICLE SYSTEMS TESTING

PROCESS AND QUALITY IMPROVEMENT IN THE AUTOMOTIVE INDUSTRY

- **Reduce** high pressure test connection time
- **Improve** throughput
- **Eliminate** thread damage, sealant and wrenches
- **Safe & reliable** leak tight, uniform connections



www.fastestinc.com

Made in the USA

CONNECTORS FOR PRESSURE & PERFORMANCE TESTING IN ENGINE AND VEHICLE SYSTEMS

Passenger Vehicles | Heavy Truck | Off Road | Agriculture | Recreational Vehicles

NEW PRODUCTS



The FasTest Advantage

- The industry's most extensive line of connectors offers a perfect connection to virtually any type of automotive testing application
- FasTest is ISO certified. Our product designs, and manufacturing processes have gone through the most stringent testing to ensure the highest quality products for your testing process.
- FasTest delivers innovative technology to meet your application needs, no matter how complex the test requirements.
- Custom connectors are available for unique requirements.

Comprehensive Vehicle Solutions

FasTest offers products for a variety of engine and vehicle systems including:

- **Automotive** - Cars and light trucks
- **Over the Road Trucks**
- **Construction** - Bulldozers, cranes, and backhoes
- **Recreational vehicles** - Boats, snowmobiles, and motorcycles
- **Agricultural** - Tractors and combines
- **Off Road / Mining**
- **Lawn & Garden Products** - Generators, power washers, and lawn mowers
- **Industrial**



FasTest offers solutions for windshield washer systems. Reservoirs and plastic molded parts are quickly sealed with the EZ Connect™ ZN's manually adjustable sealing range.

Windshield Washer Systems



- Reservoir Bottles
- Jets
- Hoses

Pictured Product: EZ Connect™ ZN

Climate Control



Pictured Product: 70 Series™

Radiators, transmission coolers, heater cores and air conditioning cores are easily sealed with FasTest connectors. The 60 and 70 Series™ can provide a quick manual connection.

For customers who wish to automate their testing process, the pneumatic FE and FI Series are ideal. With pressure ratings up to 750 psi, and helium leak tight to 1/2 oz per year, what was once a difficult sealing application is now simple. FasTest has many non-standard designs available to help accommodate application variations.

Cooling System



Pictured Product: EZ Connect™ ZF

FasTest has a variety of connectors to help you test your cooling systems. Featured here is our EZ Connect™ ZF, which can accommodate a wide variety of tube profiles and ports. The ZF is designed to provide, simple one hand actuation use for vacuum connections up to 300psi.

Fuel System/Run Test



- Fuel Rails
- Fuel Pumps
- Fuel Filters
- Sensors/Gauges
- Fuel Tanks

Pictured Product: 70 Series™ for Fuel Rail

FasTest is the world leader in providing connectors for engine Hot and Cold testing. We design our connectors to be safe and secure. Our 70 Series™ connector featured here can be offered with an internal shutoff valve to stop the flow of fuel upon disconnect, eliminating potential spills.

Steering System Components

- Power Steering Pumps
- Rack & Pinion Housings
- Hose & Tube Assemblies

TwistMate™, FN and FX Series connectors can handle pressures to 5000 psi, allowing you to proof and function test high pressure components quickly and effortlessly.

Intake/Exhaust Components



- Manifolds
- Catalytic Converters
- Mufflers & Pipes
- Turbo Chargers

Pictured Product: FE & FI

FE and FI Series™ connectors can seal rough cast and fabricated metal components commonly used in exhaust systems. The durable elastomer used with these connectors provide a seal where other products fail.

Transmissions/Drive Train



- Torque Converters
- Transmission Housings
- Axles

Pictured Product: MIT

Testing the porosity of transmission and axle housings is a typical use of our connectors. To seal deep into the axle assemblies, our FI's can be supplied with extended shafts to seal and isolate the required areas. TwistMate connectors featured here, and FN Series are available in metric and UNF style threads to quickly seal most threaded ports.

Brake Systems



- Master Cylinders
- Tube & Hose Assemblies
- Calipers

Pictured Product: FNL

The FasMate Series™ connector featured here can be used as an individual test connector, or engineered to be a multi-station automated fixture for up to 5000 psi. Ideal for testing beaded, threaded, or banjo style brake lines. For lower pressure testing with the same high reliability, our FN, FX, 60, 70 or TwistMate Series™ connectors may also meet your needs.

EZ Connect™ ZF

Leak Testing Just Got Easier



EZ Connect™ ZF Benefits

- **Wide tolerance seal design** provides fit to a range of tube diameters
- **Sleeve handle design** for intuitive one-hand operation
- **Auto-aligning connector** provides wide port size and design tolerance
- **Color coded** by size for easy identification
- **Aluminum design** for a lightweight, durable product



Patent Pending

70 Series™

For Fuel Rail



70 Series™ Benefits

- **Push/pull connection** for simple operation
- **High flow design** for optimal engine run testing
- **Integrated stop valve** prevents flow of fuel when disconnected
- **Vacuum to 200 psi** accommodates a wide testing spectrum
- **Stainless steel components** provides a robust, durable product



AUTOMOTIVE APPLICATIONS



Connectors		Applications
	Internal “FI” and External “FE” for Automated Tube and Thread Connections <ul style="list-style-type: none"> Pneumatically actuated for automated or semi-automated operation in applications where speed is a priority Seal over or into smooth tubes, bumped or beaded tube ends, rough cast or threaded surfaces Can be used for helium leak testing, proof testing, run testing, pressure decay testing, filling and flushing applications Standard sizes or custom models available For vacuum or pressure applications 	Radiators Reservoir Bottles Manifolds Suspension/Struts Transmissions Engines Sensors/Gauges Lamp Assemblies Fuel Pumps
	EZ Connect™ ZF for Formed Tubes <ul style="list-style-type: none"> Wide tolerance design accommodates a wide variety of tube sizes and designs Designed with self-aligning seals which reduce failures and operator errors Easy service and repair in the field Sleeve handle for easy, one hand operation Tool cable connection ensures safe use 	Engines Manifolds Radiators Reservoir Castings
	EZ Connect™ ZN for Reduced Pressure <ul style="list-style-type: none"> Two way actuation handle with adjustable lock ring allows for easy connection to various seal diameters Simple design and field service maintenance kits require no special tools for easy seal replacement High flow design can be adapted for plug applications Mix and match seal sets can be used to seal tapered or unique testing applications 	Fuel Tanks Pumps Radiators Reservoir Castings Transmissions Engines
	70 Series™ for Fuel Rail <ul style="list-style-type: none"> Push/pull connection for simple operation High flow design for optimal engine run Integral stop valve prevents flow of fuel when disconnected Vacuum to 750psi accommodates a wide testing spectrum Stainless steel host material provides a robust, durable product 	Fuel Lines Fuel Rails Fuel Pumps
	70 Series™ for Expanded, Flared, Barbed, Beaded and Formed End Tubes Fuel Rail <ul style="list-style-type: none"> Sleeve action makes an instant leak tight connection For use on a variety formed tube ends found on tube assemblies, reservoirs and cast parts Designed for helium leak testing, run testing, proof testing, pressure decay, water dunk and other related processes Makes safe secure instant connections with no operator adjustment Designed specifically to your size and requirements For vacuum or pressure applications 	Fuel Lines Fuel Rails Climate Components Thermostat Housing Reservoir Bottles
Threaded Connectors		Applications
	60 Series™ for External Thread <ul style="list-style-type: none"> Sleeve action makes an instant leak tight connection to male threaded ends on tube and hose assemblies Designed for helium leak testing, run testing, proof testing, pressure decay, water dunk and other related processes Safe secure instant connections with no operator adjustment Standard sizes or custom models available For vacuum or pressure applications 	Power Steering Hose & Tube Assemblies Brakes Lines Fuel Lines A/C Hose & Tube Assemblies Vacuum Lines Sensors
	FasMate Series™ – “FN” for Internal Threads, “FX” for External Threads <ul style="list-style-type: none"> Squeeze lever, thumb valve or pneumatic operation makes instant leak tight connection to internal threads Modular design allows for quick change method of connector actuation and field maintenance Proprietary design locks connector securely even in dynamic hydraulic applications Make safe connections with no operator adjustment Standard sizes or custom models available For pressure applications 	Power Steering Hose & Tube Assemblies Brake Line Fuel Lines A/C Hose & Tube Assemblies Vacuum Lines Sensors/Gauges Antilock Braking Systems
	TwistMate Series™ for Mechanical Internal and External Threads – “Twist to Connect” <ul style="list-style-type: none"> Mechanical Internal Thread “MIT” for manual quick threading to internal threads Mechanical External Thread “MET” for manual quick threading to external threads Pressure assisted sealing eliminates wrench tightening and thread sealants for safe connections Standard sizes or custom models available For vacuum or pressure applications 	Power Steering Brake Calipers Transmissions Engine – Fuel/Oil Sensors/Gauges Antilock Braking Systems Vacuum Lines

Where to Buy



Purchase through local distributor

- ➡ Factory authorized distributors provide local service and support across the U.S.A. and internationally.
- ➡ Contact your local distributor or visit:
www.fastestinc.com/en/distributorlocator

Cost, Process and Quality Improvement

Since 1985, **FasTest, Inc.** has manufactured quick test connectors and valves that maximize efficiency, productivity and profitability for the Industrial Manufacturing, HVAC-R and Compressed Gas Industries.

Relying on our core engineering skills, FasTest has secured over 50 US and International patents. These patents serve as the design platform for innovative products that enable our customers to improve testing, manufacturing processes and productivity.

Proudly Serving



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KUKA Assembly and Test Corp.



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DIESEL**



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Patents

FasTest Inc. takes pride in its innovative quick disconnect coupling solutions, many of which have been awarded United States and International patents. FasTest Inc. has a strong tradition of leadership in the quick disconnect market, and aggressively pursues and protects its proprietary information and intellectual property.

All products are designed and manufactured by Fastest Inc. USA

Limited Express Warranty

FasTest Inc. warrants its products against defects in workmanship and materials for 12 months from the date of sale by FasTest Inc. or its authorized distributor. This warranty is void if the product is misused, tampered with or used in a manner that is contrary to FasTest Inc.'s written recommendations and/or instructions.

See website for complete warranty information.

Custom Applications

FasTest has full engineering and manufacturing capability to provide special accommodations to meet specific applications. Our engineers are available to review your unique application requirements.

Certifications

FasTest Inc. is ISO 9001: 2008 certified.