



EVACMAX™

BY FASTEST

Fully automated evacuation cart for refrigeration system processing with real-time monitoring & data acquisition.



CUT EVACUATION TIMES IN HALF.



FASTEST[®]

Global Leader in Industrial Sealing Connection Technology

HVAC-R | Vehicle Systems | Compressed Gas | Medical Life Science | Aerospace

At FasTest, our mission is to reduce our customer's manufacturing costs, improve safety and lower the environmental impact from refrigerant emissions.

As an industry leader of Sealing and Connection Technologies, FasTest offers standard products for most ports/threads/tubes, and a dedicated team of Custom Design Experts to engineer optimized solutions for demanding applications. Connect fast, seal reliably, test safely.



BROAD OFFERING

Extensive standard and Custom Engineered Solutions.



INTELLIGENT TOOLS

Sensing & data generation tools that support process automation.



APPLICATION EXPERTS

Optimized solutions, tailored to your unique needs.



GLOBAL SUPPORT

Global distribution network provides local, responsive support.



SUPERIOR QUALITY

ISO 9001 Certified; Robust tools improve the quality of your product.

EVACMAX™

EvacMax™ provides rapid and automated evacuation in a portable compact cart.

Integrated with ICON technology, technicians now have the ability to set testing targets, start the evacuation and walk away.

EvacMax™ evacuates the system while displaying progress in real-time on the user interface, tracking up to 6 vacuum gauges simultaneously. If target vacuum set point is reached, it automatically begins a vacuum decay test. If the test fails, EvacMax will rerun and attempt to pass the test. The entire process is recorded to a downloadable data file for record keeping and analysis. The result is hands-free, fast system evacuation, often in half the time of current evacuation methods.



Drastically improve evacuation times



Real-time process monitoring and downloadable data logging



Hands-free automated evacuation and vacuum decay testing



The Andon Light Tower provides a visual status indicator for technicians



Quickly identify problems and optimize your evacuation process



EVACMAX™
FASTEST

RAPID EVACUATION OF LARGE CAPACITY SYSTEMS



INDUSTRIAL REFRIGERATION

Manufacturing, Chemical, Petro
Chemical, Power Plants.



COMMERCIAL REFRIGERATION

Grocery/Supermarkets, Strip
Malls, Office Buildings, Ice Rinks,
Server Farms.



INSTITUTIONAL REFRIGERATION

Medical/Hospital Facilities,
Laboratories, Schools.

- ⚡ Drastically improve evacuation times
- 📱 Real-time process monitoring and downloadable data logging
- 🔄 Automated evacuation and vacuum decay testing
- 🔗 Self-test capability to identify leaks in hoses or connectors BEFORE starting a lengthy evacuation.

COLD CHAIN

Food Warehouses, Grocery Super Stores, Pharmaceutical Facilities.



VRV / VRF

Office & Apartment Buildings, Hotel, College Campus, Multi-Use Facilities. Rapidly evacuate extremely long tubing runs typical in these applications.

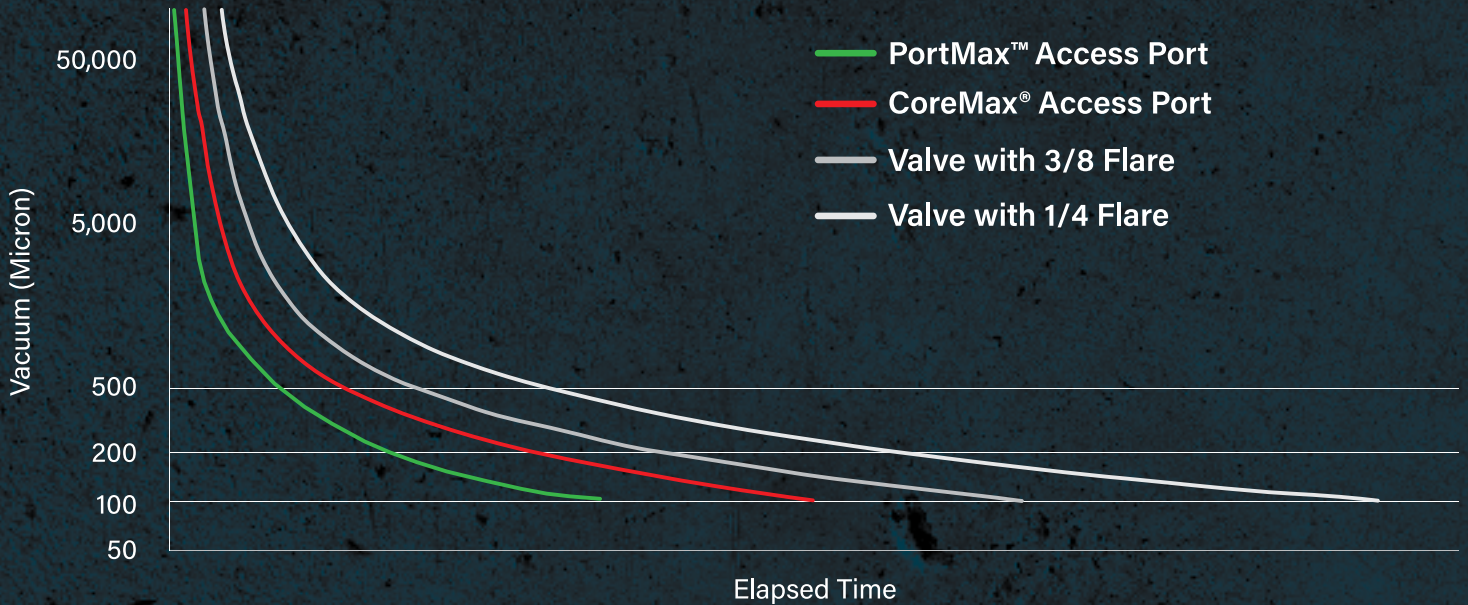


AIR HANDLERS

Industrial Facilities, Warehouses, and Industrial Kitchens/Food Service Facilities.



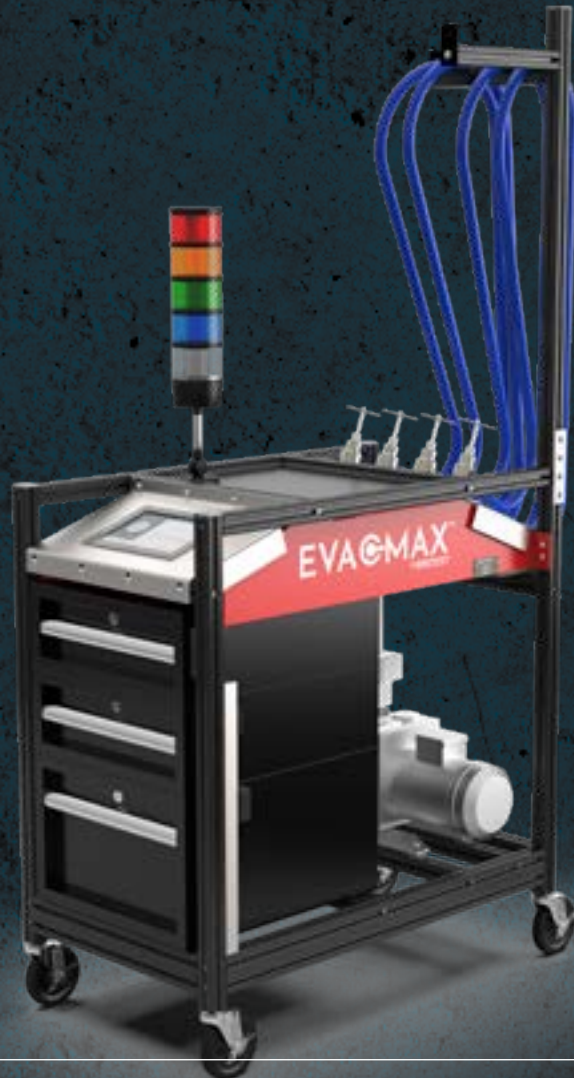
FASTER EVACUATION IS NOW POSSIBLE.



EvacMax™ is an optimized system of matched components to fully utilize the capabilities of the “MAX” family of access ports - CoreMax® & PortMax™ - or even common Packed Angle, Rotolock, Schrader, Ball and other access valves.

While providing the shortest possible evacuation times, EvacMax™ monitors the process in real-time and can monitor multiple vacuum gauges strategically located on the refrigeration system.

The intuitive design allows users to set target vacuum, allowable decay parameters and number of re-tests. EvacMax™ automatically performs the process and records data for later analysis, process optimization and customer record keeping.

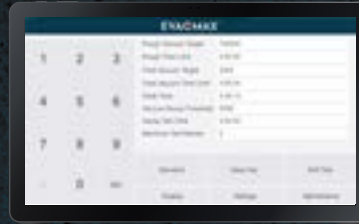


SET. START. GO.

1

Set

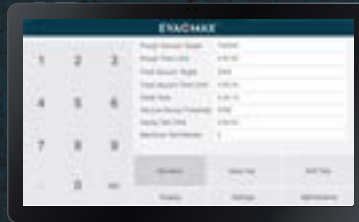
target vacuum, vacuum decay and number of retry parameters.



2

Start

the evacuation.



3

Go

EvacMax™ will do the rest.



EvacMax™ automatically:

- Pumps down to the target vacuum level that has been programmed, and if target is reached, begins a vacuum decay test
- Continuously monitors evacuation progress via signal from digital vacuum gauges (compatible with up to 6 gauges) installed on the refrigeration system via Bluetooth signal and displays on the User Interface.
- Signals process status via the high visibility Andon Tower Light.
- If the system fails the vacuum decay test:
 - EvacMax™ will repeat the cycle a predetermined (set) number of times until the refrigeration system passes or reaches the preset maximum of attempts.
 - EvacMax™ signals a repeated failure informing the technician that further investigation for leaks or excessive moisture (and possible nitrogen purge) is required.
- Signals a successful completion of the process via the high visibility Andon Tower Light.
- Records the entire process to a downloadable data file.

REAL-TIME PROCESS MONITORING



ICON™

Integrated with ICON™ technology, technicians now have the ability to perform a fully automated evacuation process, allowing them time to perform other tasks while the EvacMax™ system performs the evacuation. It's simple, just set testing targets, start the evacuation and walk away.

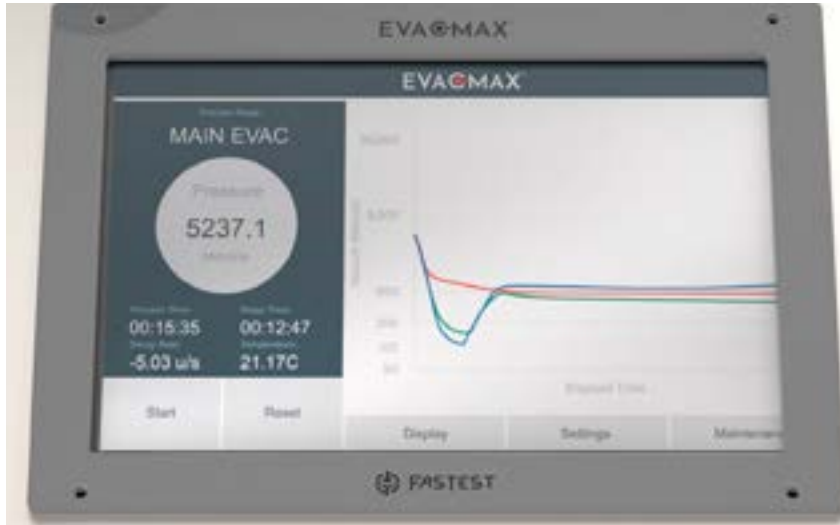
- Automatically perform evacuation and record the data for later evaluation to implement process improvements and/or to provide to your customer for their quality records.
- Track 1, 2, or more wireless vacuum gauges strategically located on refrigeration system to precisely monitor evacuation status.
- Pre-program & store custom evacuation profiles for standardized processes.
- Track service intervals with the resettable our meter.
- Perform a convenient "Self-Test" on the Cart system to check for leaks in hoses, connectors, vacuum manifold, etc., prior to performing a lengthy evacuation on a system.



ICON™ Features

Packed with "Smart" features that streamline evacuation, record keeping and productivity.

The heart of the EvacMax™ automated evacuation cart is the FasTest ICON™ control & data acquisition system. It is driven by a rugged, full-featured wireless vacuum gauge that is paired with the exclusive ICON software. EvacMax™ has unprecedented features that allow the system to perform a "Self-Test", checking for internal leaks prior to performing an evacuation, then performing a fully automated evacuation, plotting the evacuation in real time while monitoring multiple locations simultaneously (up to 6 gauges) and recording the data for analysis and/or providing a record to the customer. The technician can set all evacuation/vacuum decay parameters and create/store custom profiles through the UI and then let the system perform its task!



Real time data monitoring.

Track & Display

Track and display the evacuation and vacuum decay test in real time.

Data Capture

Store data records for internal documentation, process validation, and customer documentation.

Process Optimization

Evaluate evacuation traces/data to recognize opportunities for improvement.

Highest accuracy & resolution available.



Wireless Bluetooth

Wireless Bluetooth enabled vacuum gauge pairs with ICON™ data acquisition system to accurately monitor, track and record the evacuation and vacuum decay processes.

Automatic Notification

The system monitors the process status and the integral Andon Light Tower provides the technician with a visual indicator that can be seen from across the plant. Process data is stored in CSV format and easily downloaded to USB drive.

Scan & Print

The EvacMax Cart is equipped with Bar Code Scanning and printing capabilities.



Compatible with commonly used refrigeration system valves including Schrader, Packed Angle & Ball valves

- OR -

For the fastest evacuation, integrate with the high flow PortMax™ or CoreMax® access port systems.

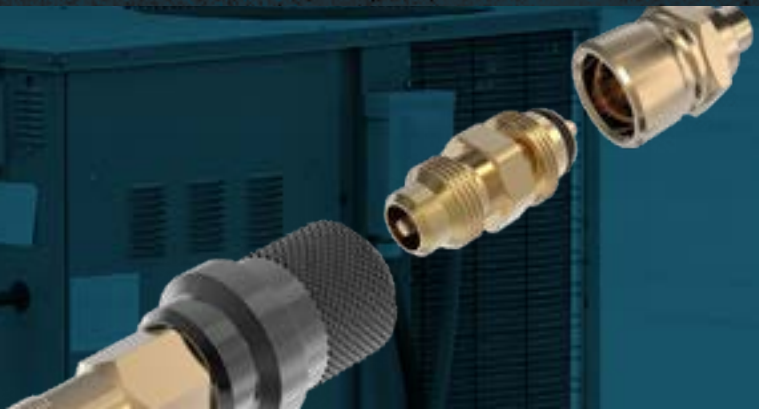
PORTMAX™

High Flow Access
Port System for Rapid
Evacuation of Large
HVAC-R Packages

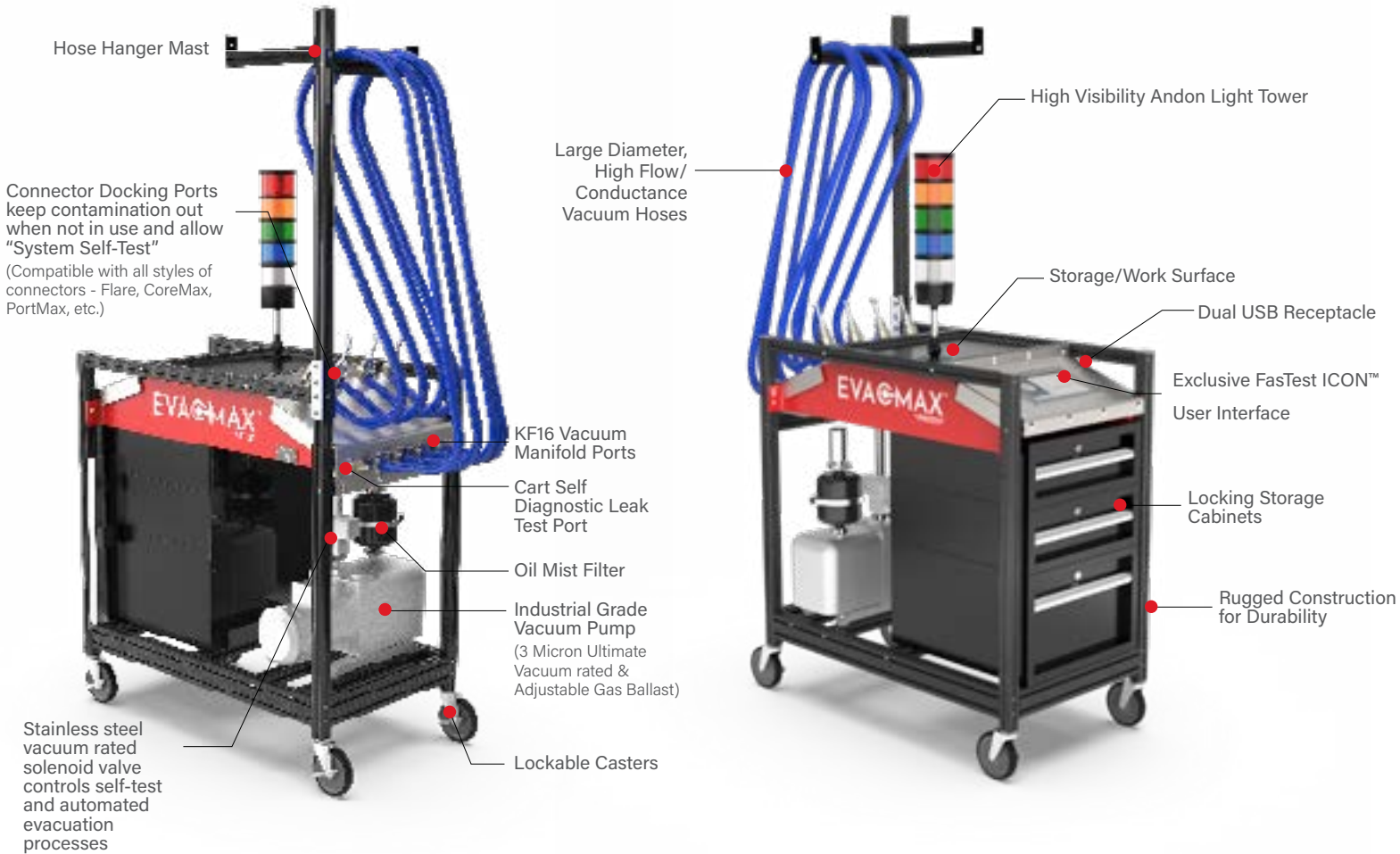


COREMAX®

High Flow Access
Valve System for Rapid
Evacuation of HVAC-R
Systems using Schrader
Valves



EvacMax™ is a turn-key, optimized solution with real-time tracking and data capabilities directly from FasTest.



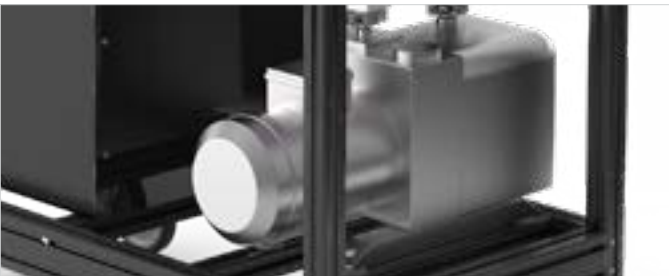
- Fully automated easy-to-use intuitive design, set target vacuum, vacuum decay limits and monitor in real time. Store and download evacuation data records.
- Facilitates process improvement and optimization.
- "Reduced evacuation time (Takt Time) pays for the cost of the cart in no time."
- Lockable storage cabinets safely store components when not in use. Full line of accessories to meet your needs.
- Mobile cart can be used in plant, at installation site and for service.
- Durable construction will provide years of reliable service.

Intuitively designed.



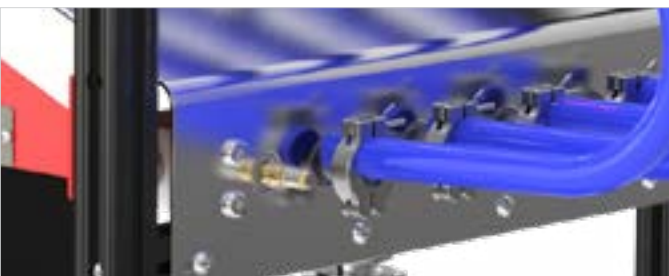
Multi-Purpose Docking Ports

- Rugged FasTest connectors and integral “Docking Ports” keep moisture and contamination out the system when not in use.
- Easily perform a system integrity leak test before beginning an evacuation.
- Can be configured for any connector style: Flare, CoreMax®, PortMax™, and more.



High Performance Vacuum Pump

- Industrial grade, two-stage rotary vane design with adjustable gas ballast valve and 3 Micron ultimate vacuum rating assures rapid evacuations and long service intervals.
- High quality isolation valve allows for vacuum decay test without disconnecting hoses or closing access ports/valves.



4-Port Manifold & System Test Port

- Connect up to four individual hoses with industry standard KF vacuum fittings assuring quick leak tight connections and rapid evacuations.
- Test port allows connection of vacuum gauge for system integrity leak check.



Long Life & Easy to Use

- Rugged construction with convenient work surfaces will provide years of reliable service.
- FasTest user interface allows easy programmability and process monitoring. USB Ports allow data transfer/download.
- Light tower provides visual indication of process status.
- Lockable storage cabinets to keep tools safe.

HOW TO ORDER

Contact FasTest for assistance with Evacuation Cart configuration.

email: fastsales@fastestinc.com

phone: (800) 444-2373

Follow ordering checklist instructions below.

1

Select Evacuation Cart

INCLUDES: Mobile evacuation cart with 4 port manifold, heavy duty locking casters, 3 lockable storage drawers, isolation valve for pressure decay test, vacuum pump (110v/60Hz single phase motor) with oil mist filter, system is wired for PLUG-n-play operation.

DOES NOT INCLUDE: Hoses, Connectors, adapter fittings or vacuum gauge required for process monitoring & data capture which must be ordered separately. Shipping cost not included (FOB, FasTest Inc. dock).

2

Select Evacuation Hoses

Required to make connection to Connector Tools. A variety of lengths are available to meet the needs of all applications. Cart manifold has 4 ports for use with up to 8 hoses (with use of a TEE).

3

Select Connection Tools

Select the type and number of connectors (PortMax, CoreMax, or common flare, etc.) for the valve used on the refrigeration system.

4

Vacuum Gauge

Select vacuum gauge(s). ICON software will monitor up to 3 (expandable up to 6) vacuum gauges (standard, more with custom tuning if desired). Gauges have been set up by FasTest to communicate/pair ICON software which can be done manually or with the optional Bar Code Scanner as desired.

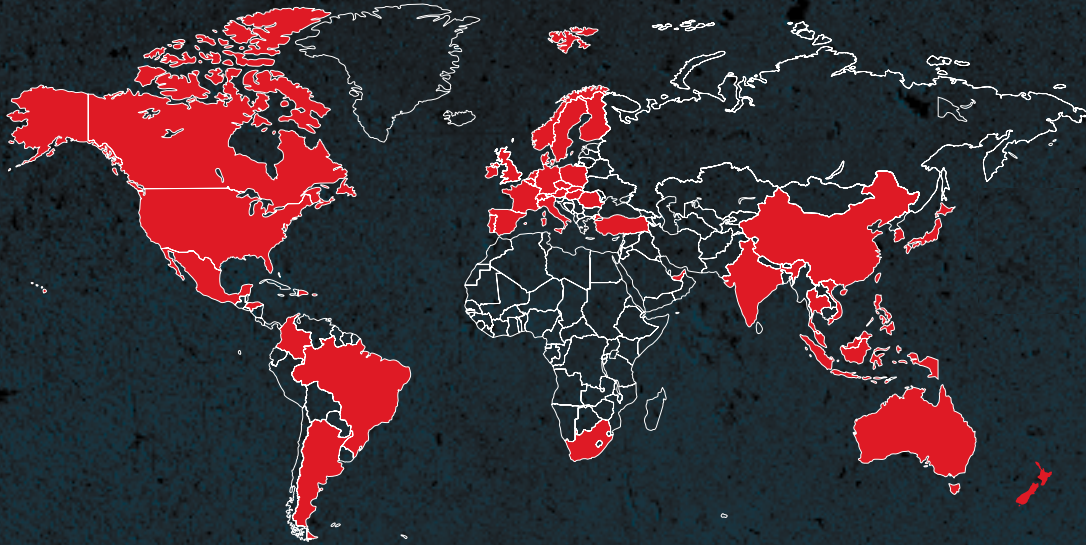
5

Spare Parts & Service Items

FasTest offers support to our customers to assist you in optimizing your cart(s) for your specific application(s). If desired, we can provide on-site support, contact FasTest to discuss your needs

For More details on the EvacMax Cart please visit www.fastestinc.com/evacmax

FASTEST GLOBAL DISTRIBUTION NETWORK



Interested in Learning More? Have Questions?

Contact Us.

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