



TECHNIMOUNT

EMS™

CERTIFIED

MOUNTING SYSTEMS



SAFETY IS OUR PRIORITY

Technimount EMS' universal mounting solutions complies with the highest industry standards to offer protection for your patients and crew.

DON'T RISK LIVES IN AN EFFORT TO SAVE THEM

When it comes to ambulance transport, patient and personnel safety is the main concern. Providing safe transport not only applies to the vehicle itself but also to the ability to secure medical equipment.

Having robust and certified mounting systems can help avoid costly repairs, complete replacement of equipment and possible injuries to patients and personnel.

4500

accidents involving ambulance
yearly

1530

people are injured in ambulance
crashes yearly

60%

ambulance accidents occur
during emergency use

Source: NHTSA. Fatality Analysis Reporting System (FARS) 1992-2010 Final and 2011 Annual Report File (ARF).

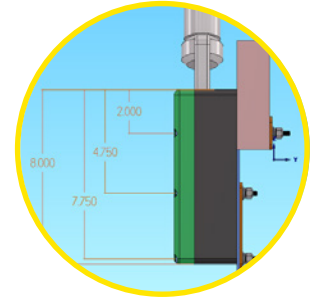
TECHNIMOUNT EMS TESTING PROCESS

Technimount EMS designs and develops its products based on rigorous norms and regulations. Our testing process is completed with real medical devices including all the components or exact reproductions to simulate actual operating conditions.



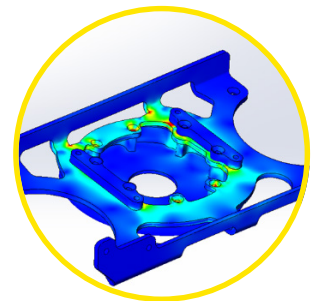
Step 1

A few design concepts are first created by our engineering and design team and the most appropriate design that will meet customer requirements is then selected.



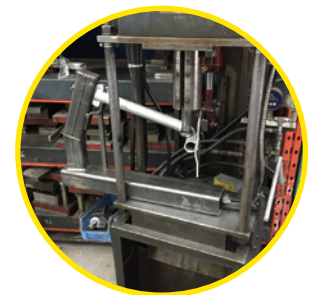
Step 2

Computer Finite Element Analysis (FEA) simulations are executed to test the material, density, hardware, and size, etc. Additional tests are also completed to simulate mechanical strength and stress.



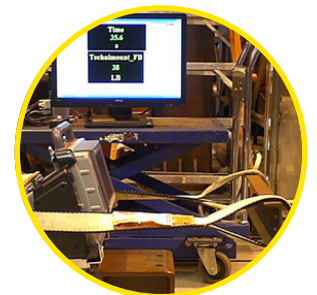
Step 3

In-house tests with prototypes are run to measure the stress of different concepts in order to validate our initial calculations, designs and life cycle resistance of all mechanisms.



Step 4

The final certification is done by Technimount Engineering according to SAE J3043 recommended practice on production equivalent products to ensure that final designs meet all performance requirements.



SAE RECOMMENDED PRACTICES

SAE International is a U.S. based professional association and standards developing organization. Regarding ambulance safety, SAE International recommends various testing standards including the J3043 standard which requires equipment mounts to be tested.



SAE J3043

SAE J3043 Recommended Practice describes the dynamic and static testing procedures required to evaluate the integrity of an equipment mount device or system when exposed to a frontal or side impact (i.e., a crash impact).

Source: SAE International, Ambulance Equipment Mount Device or Systems, Standard J3043, July 2014

Technimount EMS mounting systems are SAE J3043 certified for impact resistance within an ambulance or emergency vehicles.

We have the safest solutions on the market for portable medical mount solutions.



OTHER CERTIFICATIONS

By complying with SAE J3043 standard, our products also comply with the following certifications.



Our products comply with the Federal Specification for Star-of-Life Ambulances, the KKK-A-1822 (change notice 10; July 1st 2017). This specification identifies the minimum requirements for new automotive EMS ambulances built on Original Equipment Manufacturer's (OEM) Chassis that are prepared by the OEM for use as an ambulance.



NFPA-1917 edition 2016 defines the minimum requirements for the design, performance, and testing of new automotive ambulances intended for use under emergency conditions to provide medical treatment and transportation of sick or injured people to appropriate medical facilities.



The BS EN 1789, which is part of the CFN Standards specifies the design, test methods, performance and equipping of road ambulances for the European Union.

**SAFETY AND FLEXIBILITY
WHERE IT MATTERS MOST**

technimount.com



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