

MoshonData

Your partner for vehicle targets

Whether you need the official **EuroNCAP** vehicle target, the **NHTSA SSV** or a custom solution...



... **MoshonData** is your one-stop-shop for all vehicle targets.



"Imparting Knowledge"

Moshon^{DATA}
www.moshondata.com

About Moshon Data

10 years experience in the automotive testing industry



I am Steve Boyle, Director of Moshon Data and automotive engineer with 10 years of experience working in the automotive test industry supporting and training manufacturers in their on track vehicle testing.

Having successfully conducted ADAS training courses and automotive testing equipment training around the world for many of the leading car manufacturers and Tier 1 suppliers, I have gained a detailed understanding of different ADAS tests and requirements. Further experience and knowledge was gained working with Thatcham Research, developing and carrying out ADAS tests to EuroNCAP standards.

Moshon Data vehicle targets

Inflatable or foam targets - Moshon Data is your one stop shop for all ADAS targets.

In addition to expert training and consulting services, Moshon Data also supplies a range of vehicle targets ranging from the official Euro NCAP Vehicle Target (EVT), to our own, cost-effective vehicle target, foam targets and custom targets such as pedestrians, shopping trolleys, or animals commonly involved in vehicle-wildlife collisions such as deer or moose. Moshon Data also supplies the Flex-Moshon towing system for towing the EVT during Autonomous Emergency Braking (AEB) tests and more.

Whether you need some ADAS equipment training, advice on interpreting Euro NCAP or NHTSA specifications or need to purchase a vehicle target for testing – give us a call or send an email today.



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Euro NCAP vehicle target (EVT)

Manufactured to Euro NCAP specifications



The Moshon Data EuroNCAP Vehicle Target (EVT) was developed to simulate the rear end of a standard production car and is suitable for RADAR, LiDAR and camera based systems.

The cover is printed with the EuroNCAP specific image of a VW car and incorporates reflective elements to aid LiDAR based technology. MoshonData has made some approved modifications to improve the assembly and use of the EVT. A radar absorbent foam section is sewn into the bottom to avoid it being lost or forgotten. The cover is quickly fastened at the rear using a stretch cord and toggle method and the same method is used to tension the front and rear faces to the balloon.

The EVT EuroNCAP Vehicle Target provided by Moshon Data conforms to the EuroNCAP specifications as defined in the official AEB test protocol.

- ✓ AEB City
- ✓ AEB Inter-Urban
- ✓ FCW

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Moshon Data vehicle target MD-VT (inflatable)

Low-cost, inflatable version of the Euro NCAP Vehicle Target



The MD-VT is an inflatable, lower cost version of the official Euro NCAP Vehicle Target (EVT). It is designed to the same specifications as the Euro NCAP target and intended for development work. Being a cheaper substitute for the EVT means vehicle manufacturers and test facilities can purchase multiple vehicle targets and increase the number of tests.

The MD-VT is available in a range of colours:



- ✓ AEB City
- ✓ AEB Inter-Urban
- ✓ FCW

Moshon Data vehicle target MD-VT F (foam core) Low-cost, foam version of the Euro NCAP Vehicle Target



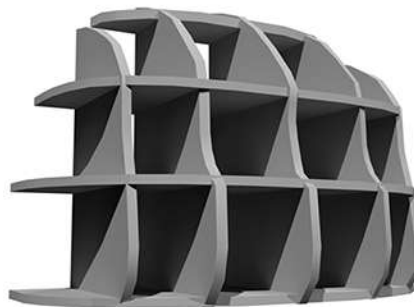
The MD-VT is a lower cost, foam version of the official Euro NCAP Vehicle Target (EVT). It is designed to the same specifications as the Euro NCAP target and intended for development work. Being a cheaper substitute for the EVT means vehicle manufacturers and test facilities can purchase multiple vehicle targets and increase the number of tests.

- ✓ AEB City
- ✓ AEB Inter-Urban
- ✓ FCW

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Moshon Data SSV Target

Vehicle target to NHTSA specifications



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Moshon Data Slab Air-tight Target MD-SAT

Low-cost, portable demonstration target



This inflatable air-tight target is designed as a very low cost, portable demonstration target. Constructed to a very high standard, the MD-SAT has all the features of the more expensive models.

Customisable to your desired image, it can also be used as a quick test target as it is easy to set up and quick to use.

The MD-SAT is available in a wide range of vehicle images.



- ✓ AEB City
- ✓ FCW

Moshon Data Slab Foam Target MD-SF

Low-cost demonstration target



Designed as a very low cost Demonstration Target, albeit constructed to a very high standard, the MD-SF has all the features of the more expensive models.

Customisable to your desired image, it can also be used as a quick test target as it is easy to set up and quick to use.

- ✓ AEB City
- ✓ FCW

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Moshon Data 3D Targets - Foam

Full vehicle targets with foam core



The Moshon Data 3D Targets consist of only 6 easy to assemble foam parts.



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Moshon Data 3D Targets - Inflatable

Full inflatable vehicle targets



Moshon Data offers a wide range of inflatable 3D Targets in a range of colours. Please contact us to discuss your individual requirements.

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Flex-Moshon Towing System

Towing system designed for vehicle targets



The Flex-Moshon Towing System is designed to tow a balloon car during Autonomous Emergency Brake (AEB), Forward Collision Warning (FCW) and other ADAS tests.

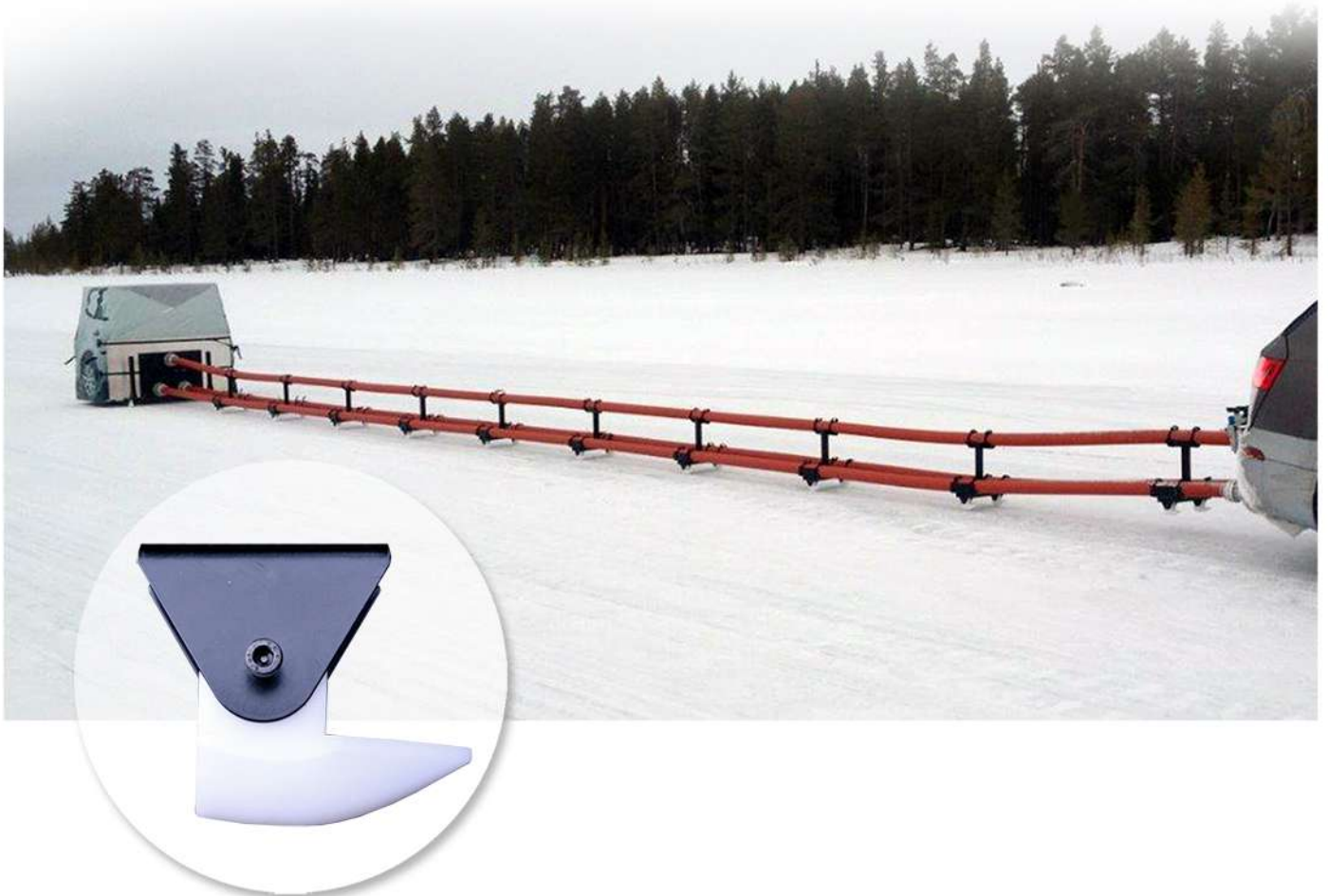
The Moshon Data towing system consists of 3 pressurised hoses (15 meter length) including Storz hose coupling, hose carriers with 2 wheels each, a support plate with tow hitch system, the balloon car carrier and 12V compressor. The pressurised hoses ensure that the vehicle target maintains its required position when towed behind the towing vehicle. The space between the target and the towing vehicle remains constant even during braking. After a collision the balloon vehicle target aligns itself automatically and is instantly ready for further testing.

Lane change manoeuvres can be performed with the balloon target up to approx. 60 kph. During a lane change, the vehicle target follows the towing vehicle's lane with only a few centimetre deviation. The flexible set up not only enables lane changes, but also allows turning on the track.

Set up takes less than one hour and can be performed by one person. The Flex-Moshon EVT Towing System can be fully dismantled and fits in the boot of an estate or large hatchback easily.

Flex-Moshon Towing System

Towing system adapted for winter testing in snow



Moshon Data has developed the first Flex-Moshon EVT towing system for winter testing in the snow. Specially adapted for winter AEB testing, the Flex-Moshon uses expertly designed skids instead of wheels which allows the towing system to glide across snow and ice.

Filled with nitrogen gas instead of air prevents ice from building up inside of the pneumatic system which itself was modified to allow it to work in the harshest conditions.

If you already own a Flex-Moshon towing system, you can add the winter testing accessory pack.

Moshon Data Tunnel

For testing ADAS in complete darkness



This is a unique 300ft (91m) long tunnel for testing ADAS sensors in the dark. Exclusively available from MoshonData, the night vision tunnel provides interior light blocking to assist with the development of night vision assist technology. The tunnel consists of six 50' long connecting sections, five emergency exits/exit lights every 50' and three 5000 CFM exhaust fans to clear the air after every run through. The tunnel is suitable for AEB and VRU tests.

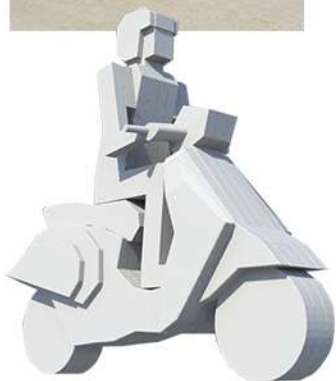
The tunnel is high enough to fit street lights and other roadside furniture for realistic test scenarios in complete darkness. The tunnel is easy to set up and can be deflated to fit into custom carrier cases.



Also available from Moshon Data are brake lights for the EVT inflatable target vehicle as well as a heated deer to simulate vehicle-to-wildlife test scenarios.

Moshon Data - Custom targets

Moshon Data offers a range of bespoke target solutions



Moshon Data offers a large range of vehicle targets for ADAS testing. We also supply custom targets such as pedestrians, motorcycles, shopping trolleys, or animals commonly involved in vehicle-wildlife collisions such as deer or moose. These targets can be manufactured to your individual specifications.

Ask us about our bespoke targets!

Consulting/ Training

Moshon Data offers ADAS test consulting and equipment training



Moshon Data can provide courses on advanced driver assistance systems (ADAS) testing which are client focused and tailored to your individual needs. Moshon Data also provides advanced training on equipment from leading ADAS test system providers such as Oxford Technical Solutions, Racelogic and AB Dynamics.

With over 8 years' experience in automotive testing and working closely with the world's leading vehicle manufacturers and EuroNCAP partners, you can rely on Moshon Data as your technical expert in the field of ADAS testing.

Whether you need to carry out AEB testing according to EuroNCAP specifications or perform complex Lane Departure Warning tests – Partner with Moshon Data for successful test results and the right test equipment choices.

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