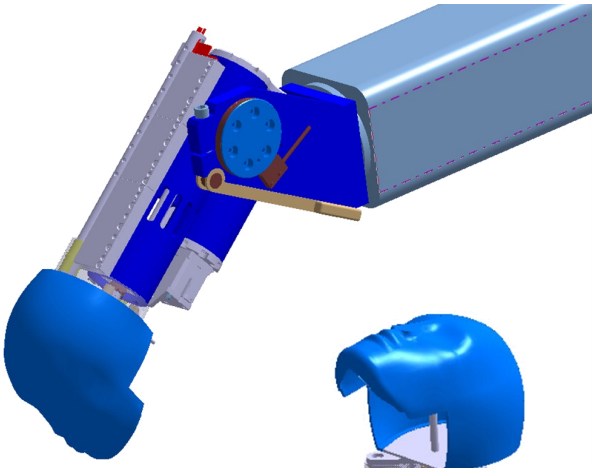
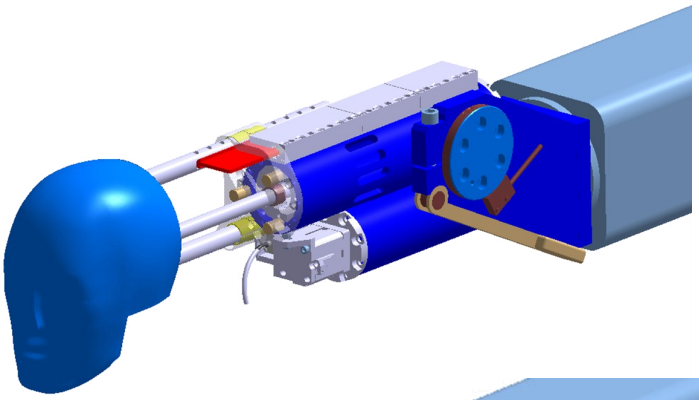
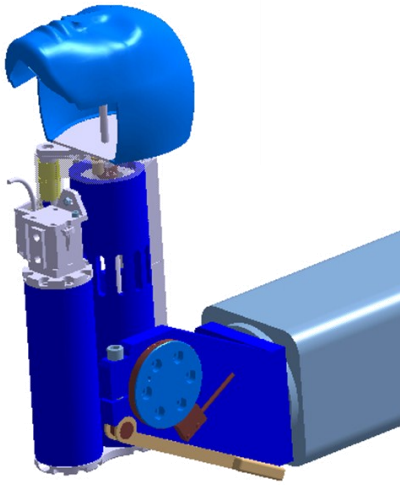
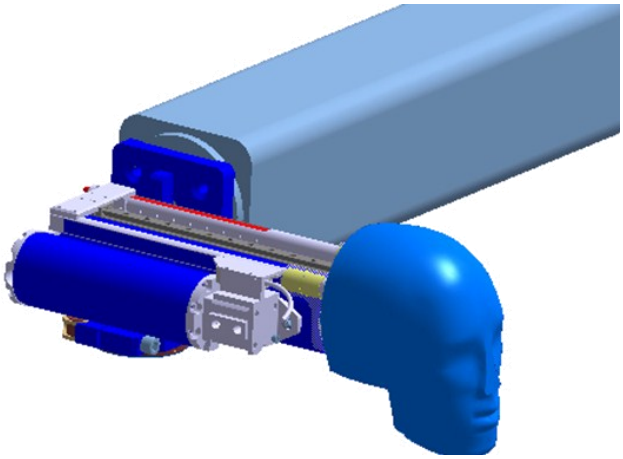
FMVSS 201 Launcher Retrofit

Retrofit your existing Impactor Test System with the best in class FMVSS 201 launcher









- Smallest & most flexible FMVSS 201 launcher worldwide
- Best in class accuracy with high speed closed loop control
- No pretest required for speed adjustment
- No hydraulics means minimum maintenance cost & downtime
- Low operating cost ($1/launch)
- Compatible with Impactor test systems from:
  BIA, ARIES, MTS, MGA, Ernst and others

Equipped with ASC (Closed Loop Control)

FMVSS 201 Launcher Retrofit

Retrofit your existing test equipment with a Microsys ASC FMVSS 201 launcher:

Many of the existing FMVSS 201 test systems in automotive test labs are no longer state of the art. Although in many cases the existing impactor test system structure is still in good shape, the existing launchers do not have the required accuracy or the ability to perform testing in small vehicles.

The Microsys Advanced Speed Control (ASC) FMVSS 201 launcher can now be installed as stand alone launcher to replace the old or lower performance launchers from BIA, ARIES, MTS, MGA, Ernst and others. The retrofit can easily be installed, even if the old launcher has hydraulic propulsion.

The Microsys ASC launcher comes with a control system and software to select the required speed at impact and to start the launch process. The global movement of the test system is still performed done by the existing structure and software.

The stand alone launcher is screwed to the existing equipment arm. A customized extension of the arm can be used to improve the performance of the system inside small test vehicles.

The launcher is equipped with ASC closed loop control and has all benefits of the Microsys ASC launchers:

- No pretest required for speed adjustment
- Repeatability of speed at the impact ±0.1 km/h
- Smallest FMVSS 201 launcher worldwide for efficient test inside the vehicle

Load Cases:

Free Motion Headform

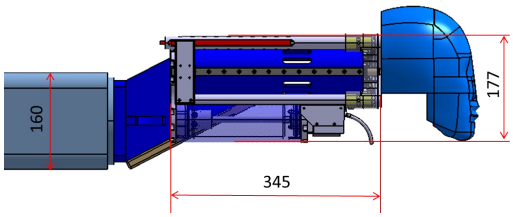
⇒ FMVSS 201 u / TP 201U

System Performance:

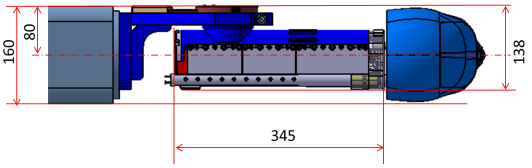
⇒ Speed at impact	:	18 - 25 km/h
⇒ Accuracy of speed at the impact		±0.2 km/h
⇒ Repeatability of speed at the impact		±0.1 km/h
⇒ Accuracy of impact location		±5.0 mm

Basic System Dimensions:

Side view:



Top view:



Basic System Specifications :

⇒ Work and Control Medium:	Technical Nitrogen N2
⇒ Supply Pressure N2:	up to 16 bar
⇒ Control System:	B&R
⇒ Required Power Supply:	3-phase AC 2.5kW

Control System & Data Analysis:

Like all Microsys products, the ASC FMVSS 201 launcher is controlled by the Microsys SureFire software. SureFire provides a common test platform for Microsys impactor and airbag testing, which reduces the time and cost for training of technical personal. The Microsys PowerPlay software is a powerful data analysis and data processing tool. It can be used for post processing and automated reporting. DIADEM can be optionally included.

SureFire can also be configured to manage high speed cameras and lighting, as well to provide data acquisition and facility safety management.

Certified Quality:

This Microsys test system is certified by TÜV and will be delivered with the CE mark. The ASC FMVSS 201 launcher is used by many OEM's for conformity of production testing, for vehicle engineering, self-certification and type approval.

Since 2012 Concept & Microsys combined forces inside the "Concept Tech Group" to supply the automotive industry from its global sales & support network. Our family of safety testing products & services includes airbag deployment, cold gas inflation, impactor launch, low speed crash devices and much more…..

www.micro-sys.com
sales@micro-sys.com
Tel: +1 (905) 678-3288

www.concept-tech.com
office@concept-tech.com
Tel: +43 (3124) 203-0