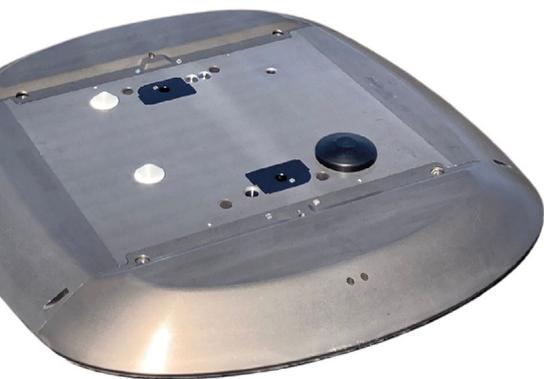


The future of VRU testing today

# LaunchPad™ 80

Gen 2



Developed for reliable and realistic ADAS testing, the LaunchPad 80 is the fastest LaunchPad specifically for VRU testing, capable of carrying a motorcycle target at 80km/h and braking at over 0.6g. The LaunchPad 80 is now in its second generation, allowing direct control and data capture from a remote laptop and is primed for future battery upgrades. The LaunchPad 80 Gen 2 is the most capable and flexible LaunchPad yet.



Euro NCAP approved ADAS test platform



80km/h top speed with target fitted



Battery capacity increased to 880Wh for extended running



44 tonne truck drive over capacity



4-wheel drive and 4-wheel steering for manoeuvrability



Aluminium chassis with IP67 weather resistance



Hydraulic braking enabling 6m/s<sup>2</sup> deceleration



Enhanced thermal resistance enables extended hot weather running



Compatible with TrackFi PowerMesh and TrackFi radio systems



High power drives ready for higher voltages, for future battery technologies and higher operating speeds



Compatible with OxTS and GeneSys miniature GNSS inertial navigation units



Remote RC allows direct control and data capture from a remote laptop

# Specification

## LaunchPad™ Spin

### Dimensions

892 x 868 x 65mm

### Weight (approx.)

45kg (excluding batteries)

### Weather resistance

Fully sealed electronics,  
waterproof to IP67

### Maximum speed (with target)

30km/h

### Maximum acceleration

3m/s<sup>2</sup>

(excluding target)

### Maximum braking

5m/s<sup>2</sup>

(excluding target)

### Payload

Pedestrian, cyclist, motorbike,  
moped, animal. Maximum 15kg

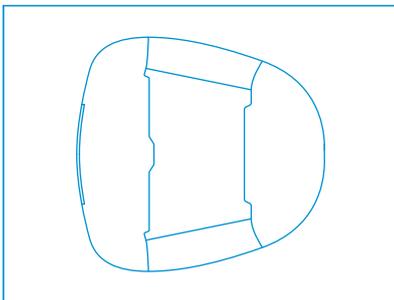
### Batteries

High-capacity lithium-ion  
battery packs 540Wh,  
rapid battery swap system

### Drive-over capacity

3550kg per wheel

### Size comparison to scale



## LaunchPad™ 60

### Dimensions

917 x 875 x 65mm

### Weight (approx.)

45kg (excluding batteries)

### Weather resistance

Fully sealed electronics,  
waterproof to IP67

### Maximum speed (with target)

60km/h

### Maximum acceleration

4m/s<sup>2</sup>

(excluding target)

### Maximum braking

6m/s<sup>2</sup>

(excluding target)

### Payload

Pedestrian, cyclist, motorbike,  
moped, animal. Maximum 15kg

### Batteries

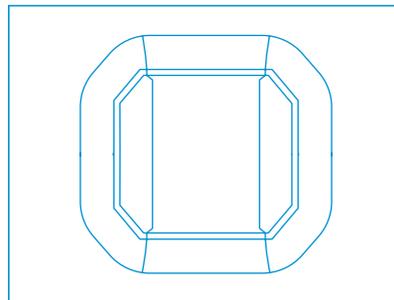
Twin high-capacity lithium-ion  
battery packs 540Wh,  
rapid battery swap system

### Drive-over capacity

1000kg per wheel

3550kg per wheel (HD Panel)

### Size comparison to scale



## LaunchPad™ 80

### Dimensions

1045 x 960 x 80mm

### Weight (approx.)

75kg

### Weather resistance

Fully sealed electronics,  
waterproof to IP67

### Maximum speed (with target)

80km/h

### Maximum acceleration

3m/s<sup>2</sup>

(Euro NCAP PTW fitted)

### Maximum braking

>6m/s<sup>2</sup>

(Euro NCAP PTW fitted)

### Payload

Motorbike, moped  
Maximum 15kg

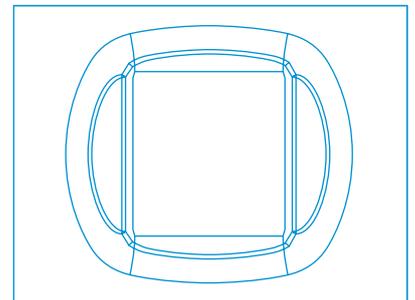
### Batteries

Twin high-capacity LiFePO4  
battery packs 880Wh,  
rapid battery swap system

### Drive-over capacity

3550kg per wheel

### Size comparison to scale



## About AB Dynamics

AB Dynamics is a leading global provider of automotive test and verification solutions that facilitate the development of vehicles that are safer, more efficient and sustainable. As part of the AB Dynamics Group of companies we enable customers to develop and test in virtual environments, validate on the track and then evaluate vehicles on public roads.

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