



Domin Suspension

Driving Perfect Balance





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Domin Suspension is an **intelligent and integrated system** that proactively adapts to any road, effortlessly balancing comfort with world-class active performance in a lightweight package, and with no compromise on power consumption.



One integrated package with flexibility to define the perfect driving experience.



Get optimal comfort, reducing motion sickness and attenuating impact.



Effortlessly react to any driver input safely and without adding wear and tear.



Maximise energy efficiency with the lightest and lowest energy consuming system.



Domin are producing some really innovative suspension units, that we've been testing with them. The technology that they're bringing onto the latest units is going to be even more exciting.

Senior Chassis Engineer,
Aston Martin Lagonda



A Detailed Look

Perfect Balance of Comfort and Performance

Actively adapt to any road and experience more with a system that effortlessly blends comfort, performance, and energy efficiency.

Instantaneous Performance Switching

Using direct drive valves, achieve world-class semi-active damping control (99.9% precision, step response in <3ms).

Flexible Ride Height Control

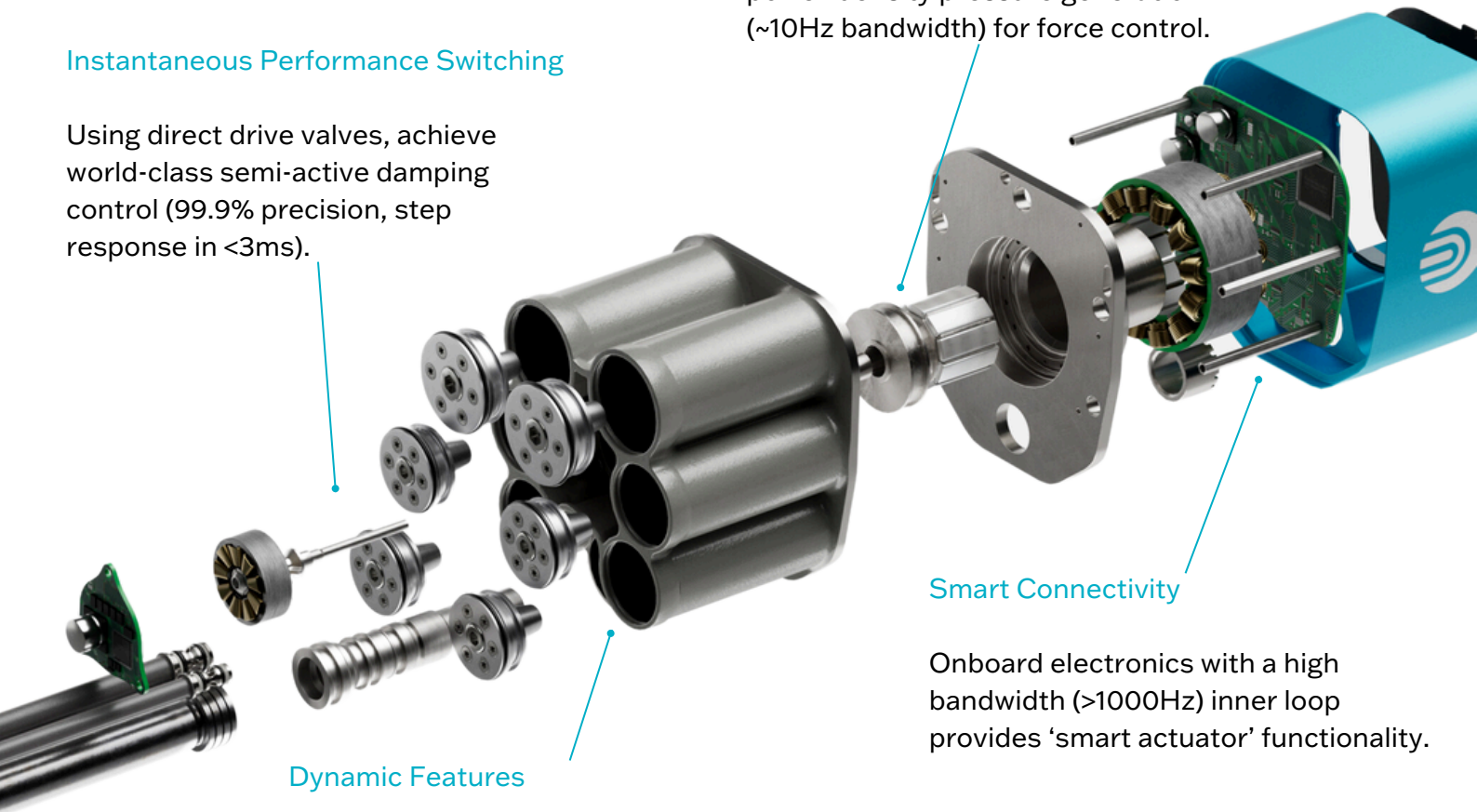
The radial piston pump gives high power-density pressure generation (~10Hz bandwidth) for force control.

Smart Connectivity

Onboard electronics with a high bandwidth (>1000Hz) inner loop provides 'smart actuator' functionality.

Dynamic Features

The accumulators are high-pressure gas springs, providing multiple low-energy stiffness modes for infinite stiffness range, and a reservoir for ride height control and dynamic wheel retract.





Infinite Flexibility

Easy Integration into New and Existing Systems

Domin Suspension can be configured to fit in any package size, giving flexibility of design and integration.

All features to achieve desired damping, spring, roll, and pitch are included in each self-contained unit, that can weigh a little as 7kg.

This means there is no need for a centralised hydraulic system, giving you the lightest solution on the market.





Four Corners. Integrated Units. Full Control. Low Power.

Semi Active Ride

Our advanced valve technology provides infinite variable damping, instantly adapting to each bump for a personalised ride. This intelligent system only uses power when adjusting, not to hold a new position, dramatically reducing energy consumption.

Spring Rate

High-speed valves paired with discrete accumulators achieve an infinitely adjustable spring rate. This enables millisecond-scale transitions with minimal energy consumption that you can tailor to the desired stiffness, creating an intelligent and flexible system.

Ride Height Control

A high-pressure pump dynamically supplements suspension forces for extreme manoeuvres and facilitates precise ride height adjustment with minimal holding power. While low-pressure reservoir facilitates rapid wheel lift and aerodynamic optimisation.



Contact Us



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