

case study

SCREW JACKS PUT CIRRUS TECHNOLOGIES ON THE RIGHT ROAD

Cirrus Technologies required a reliable, precise and above all compact linear actuator to assist its move into the chassis dynamometer market given the small size of some of the vehicles under test.



Increased flexibility to design, manufacture and supply R&D equipment for some of the major automotive manufacturers, including short wheel base vehicles caused Cirrus Technologies to rethink the construction of its chassis dynamometer systems.

Existing systems used a linear actuator ball screw to accommodate vehicles of differing wheelbase dimensions, but the size of these components limited their suitability for some of the smaller vehicles. With no sacrifice in functionality, the screw jacks enabled Cirrus Technologies to compete in the chassis dynamometer market for vehicles as varied as the Ford Ka and the F350 pick-up.

Cirrus Technologies produces a wide range of chassis dynamometer systems to cover passenger car, motorcycle, truck and off road vehicles to analyse: emissions and fuel consumption, mileage accumulation and endurance, quality audit, climatic, wind tunnel, noise vibration and harshness and EMC.

Upgrade



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The choice of the screw jack for this application gave the customer the greatest flexibility of the chassis dynamometer in operation.

“Well manufactured and competitively priced, this type of screw jack enabled us to meet our customer’s requirements exactly.” Steve Carlin, Cirrus Technologies.

The company is a leader in the design and build of advanced testing and assembly systems exclusively for the automotive industry world-wide. Based in the Midlands, United Kingdom, it offers proven technology world-wide through a network of partners, all of whom provide the experience and immediacy to effectively manage local support and service.



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