

# Project Spotlights

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An MAE publication highlighting some of the latest advanced engineering projects.

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## Mustang Advanced Engineering completes a custom 4-wheel drive RFI Test Chamber Dynamometer for Daimler Chrysler.

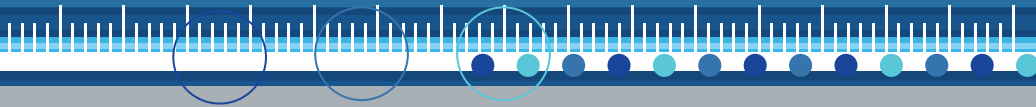
Mustang has completed the design, manufacturing, installing, commissioning and training of a Custom Engineered 4-Wheel Drive RFI Test Chamber Dynamometer to the Daimler Chrysler Corporation in Detroit.

The dynamometer was required to meet all of the latest EPA I/M 240 standards and regulations. In addition, due to the installation in an RFI laboratory all of the electrical components were specially designed and custom shielded to emit zero Radio Frequency emissions inside the test cell.

"Even though the dynamometer was a fairly standard 4-wheel design, the absolute requirement for zero RFI emissions presented a challenging task for our design engineers," said Bruce Finch, Manager for Engineered Products at Mustang. "The attention to detail had to be very precise, as any minor variation in shielding could have totally invalidated any of DaimlerChrysler RFI testing."

The dynamometer has a fully regenerative variable speed AC Drive System supplied by Mustangs' building partner Rockwell Automation. This configuration allow for motoring the dyne, but in the absorbing mode the power produced is recycled back into the Plant AC power lines for consumption elsewhere. A hand held operator push button station allows for readjusting of the dyne rollers for different wheel base vehicles. Mustang also supplied the operator computer and complete application software for operation of the dynamometer.





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## About MAE

Mustang Advanced Engineering is a leading provider of comprehensive testing solutions for the development and testing of engines, powertrain systems and complete vehicles. Founded in 1975, Mustang has long been a trusted source of expertise in measurement and testing technologies for the global industrial market. World-class product offerings, custom design support and technical assistance, backed by a dedicated factory service team, has positioned MAE among the global leaders in providing advanced testing solutions.

As a global leader in the design, manufacturing, and integration of advanced testing and measurement systems, MAE has delivered and continually supports literally thousands of test systems to virtually every corner of the globe.

Our mission is to achieve the highest possible level of customer satisfaction by providing innovative technical solutions and product designs and by striving to achieve perfection in product quality, delivery and service. At MAE, our customers are our highest priority - we do everything in our power to satisfy our customers. Our entire organization understands that the customer comes first and nothing else is more important.

To learn more about how MAE can help solve your most demanding testing challenges contact one of our sales engineers or visit [www.mustangae.com](http://www.mustangae.com).

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