

MUSTANG

ADVANCED ENGINEERING

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



Mustang Advanced Engineering Delivers phase 1 of contract to supply 400 HP axle test stand to Funk Manufacturing.

Mustang announced completion of phase 1 of a 3-phase agreement to supply axle test stands to John Deere's axle division Funk Manufacturing Company. Funk Manufacturing Company is an integral division of John Deere and is engaged in the research, design, and supply of heavy-duty axles and transmissions to the world-renowned manufacturer of farm tractors and heavy-duty industrial plant.

Under the terms of the agreement Mustang and it's business partner, Rockwell Automation, jointly supplied a complete turnkey laboratory to Funk Manufacturing Company. The project included all construction work, electrical, plumbing, contracting and the manufacture and supply of a 400 HP axle test stand. The construction work included the supply and installation of a test bed comprised of 70 T-Slot Steel Test Plates, an operator's walk in control pulpit, Dyne controls, MCC upgrade and a new cooling pump house and pumps.

The axle test stand itself is an extremely rugged high horsepower design with multiple axle take offs from the gearbox and the ability to perform multiple test cycles and procedures. The test stand is controlled by a 400 HP variable speed AC drive system supplied to Mustang by Rockwell Automation.



"This project was complete and encompassed much more than the standard scope of supply for a project of this type," said Bruce Finch, Manager, Engineered Products Group at Mustang. "We were required to supply a complete turnkey system, including all the building modifications, concrete construction and contracting work, as well as the dynamometer and startup services. This sort of all encompassing project is not new to Mustang, and due to our partnership with Rockwell, we were able to meet all of the extremely exacting requirements of Funk Manufacturing Company."







ISO 9001:2000 Certified

Offices Worldwide

U.S. Corporate Headquarters Mustang Advanced Engineering

2300 Pinnacle Parkway Twinsburg, OH 44087 Phone: (330) 963-5400 Fax: (330) 425-3310 Email: sales@mustangae.com

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.

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