

## Power-Sport Manufacturer R and D Test Stand



Mustang Advanced Engineering (MAE), an American manufacturer of quality, industry-leading, testing equipment, dynamometers, and related products, recently installed a custom designed specialty test cell for research and development for a major producer of Power-Sport vehicles, motorcycles, ATVs, and side x sides. This manufacturer required a R&D test cell with the ability to test their four-wheeled products including a wide variety of side by sides and quads capturing both 4x2 and 4x4 drivetrains. The system also had to be able to accommodate profile attachments for performing “bump tests”. Mustang designed and supplied a highly advanced test cell complete with large 42-inch rollers, two large asynchronous AC dynamometers, heavy duty restraints, high velocity tire cooling fans and a 160,000 CFM, 250-hp frontal cooling fan system with speed/fan synchronization.

### Features / Benefits:

- 4x4 configuration with two extra wide 42-inch diameter flame-spray coated rollers
- 600-hp Asynchronous AC Dynamometers with 150% overload
- Removable roller-bump profiles
- Variable speed synched 110-mph frontal cooling fan with 160,000 CFM capacity
- Robotic control of throttle and braking
- High-capacity integrated tire cooling system with variable speed control
- Heavy Duty Restraint System

### SNAPSHOT

**Project:** Custom Research and Development Test Stand

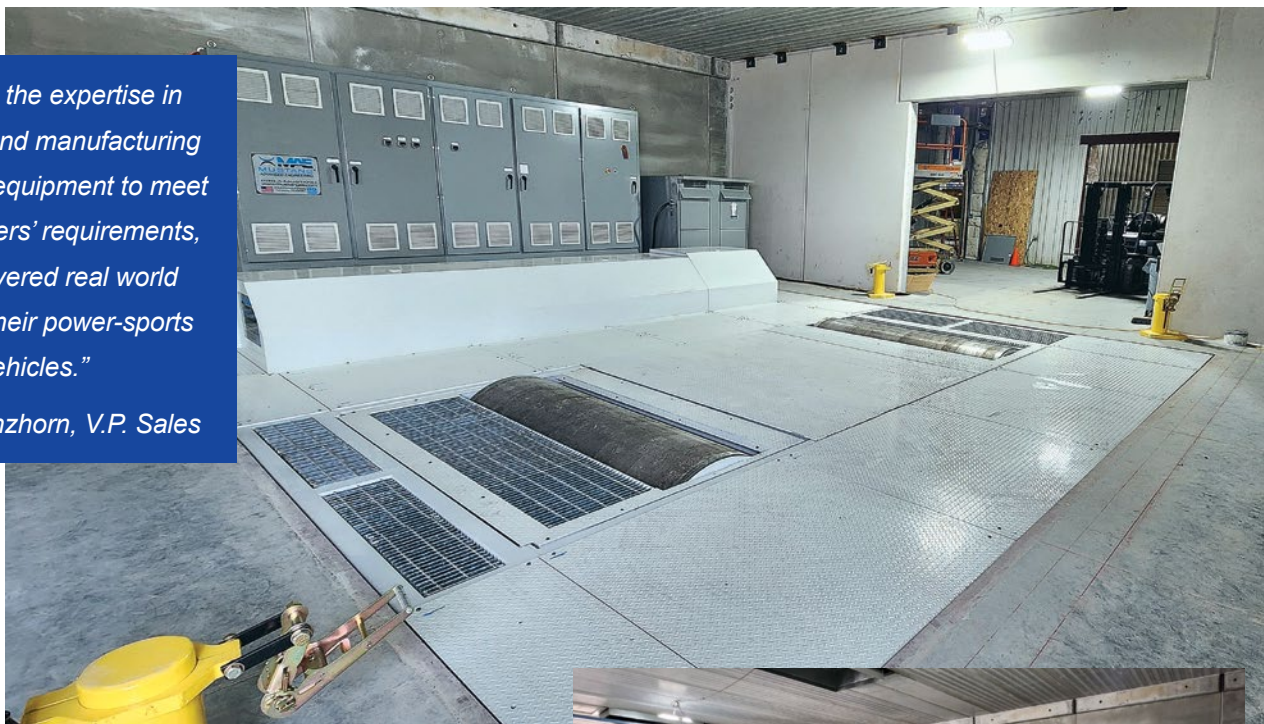
**Customer:** A leading American manufacturer of power-sport vehicles

**Purpose:** To aid in the development of powersport vehicle products



*"MAE has the expertise in designing and manufacturing any testing equipment to meet our customers' requirements, MAE delivered real world testing of their power-sports vehicles."*

*- David Ganzhorn, V.P. Sales*



160,000 CFM, 250-hp frontal cooling fan system with speed/fan synchronization.



**MUSTANG**  
ADVANCED ENGINEERING  
*Fearless Innovation™*

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### About MAE

Mustang Advanced Engineering is a leading supplier of advanced, custom engineered testing and measurement systems. Located in Twinsburg, Ohio since 1986, MAE delivers world-class testing solutions, custom design support, technical assistance, backed by a dedicated factory service team, making them a trusted source of expertise for the global industrial market. Visit [MustangAE.com](http://MustangAE.com) for more information. Follow them on Facebook, Twitter, LinkedIn, and Instagram.

