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For Immediate Release:

MAE Delivers End-of-Line Pallet Truck Test Stand

Twinsburg, Ohio, December 28, 2021: Mustang Advanced Engineering (MAE) today announced that the company has delivered an End-of-Line (EOL) functional test stand for The Raymond Corporation. The Raymond Corporation, a Toyota Industries Corp. company, is a leading global provider of material handling products, and the MAE test stand will be used for final functional testing of electric pallet trucks manufactured at their Muscatine, Iowa facility.

The test stand will perform testing on the 6k/8k trucks produced by Raymond according to their specifications. The test stand can perform speed tests, acceleration tests, functional brake tests, reliability tests, and custom scripted cycle tests. The test stand incorporates a 24" diameter, thick wall roll with machined surface to eliminate wear on the test articles' drive wheel. The roll is directly coupled to an inertia weight which provides ~7,000 lbs. of mechanical inertia. The test bed is also equipped with a speed sensor, roll lock system, and various system status signal/interlocks.

A hydraulic side restraint system is located on the left & right sides of the test stand that move laterally from each side of the test stand to make contact with the test article to lock it in place during testing. The restraint pads are Delrin lined to eliminate any scuffing/ damage to the test article's finish. A rear restraint system is also integrated to prevent the test article from moving backwards during braking, as the 7,000 lbs. of inertia inherent to the test stand causes the test article to tend to move backwards during application of the brakes. The rear restraint system is pneumatically actuated to raise the pad above floor level. The system is hydraulically moved fore & aft to allow precise placement behind the test article. The pad is also Delrin lined to prevent scuffing the test article's finish.

"It was a pleasure working with The Raymond Corporation to deliver a turnkey solution for their demanding production testing requirements.", said David Ganzhorn, VP Sales. "The entire MAE team takes great pride in providing unique testing solutions for demanding applications".

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 for more information. Follow them on Facebook, Twitter, LinkedIn, and Instagram.

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