

PROJECT SPOTLIGHT

(2) End-of-Line Transmission Dynos at NKP/Honda



CHALLENGE:

NK Parts Industries, Inc. / Honda, a long-standing re-manufacturer of automotive parts specializing in Honda automatic transmissions, relied on five aging dynamometers to test transmission functionality and quality. When it came time to upgrade their testing equipment, they sought a more efficient, modern solution.

SOLUTION:

Mustang Advanced Engineering (MAE), a leading U.S. manufacturer of advanced testing equipment, responded to NKP/Honda's request for a quote with a tailored solution. After evaluating NKP/Honda's testing requirements, MAE designed and delivered two high-performance test systems that successfully replaced the five legacy test stations.

SYSTEM FEATURES AND CAPABILITIES:

- Turnkey installation
- Automated Gear shifting
- Metered transmission oil system
- Fully automated test out sequence
- TestCell™ Data Acquisition Software: advanced, user-friendly, includes:
 - Shift point verification; Full throttle up-shift testing
 - Closed throttle downshift testing; Downshift inhibitor validation
 - Abnormal noise and vibration diagnostic
 - Transmission control system checks
 - Leak detection at shaft seals and clutches
 - Mechanical binding diagnostics
 - Pressure testing (main, clutch, and converter)

SNAPSHOT

Project: (2) Custom end-of-line transmission dynamometers
Customer: NK Parts Industry Inc. / Honda
Where: Sydney Ohio
Purpose: Testing of re-furbished automatic transmissions, particularly Honda transmissions



MAE's TESTCell™ data acquisition software is used in the operation of the transmission dynamometers



TESTCell™
AUTOMATION & DATA ACQUISITION SYSTEM

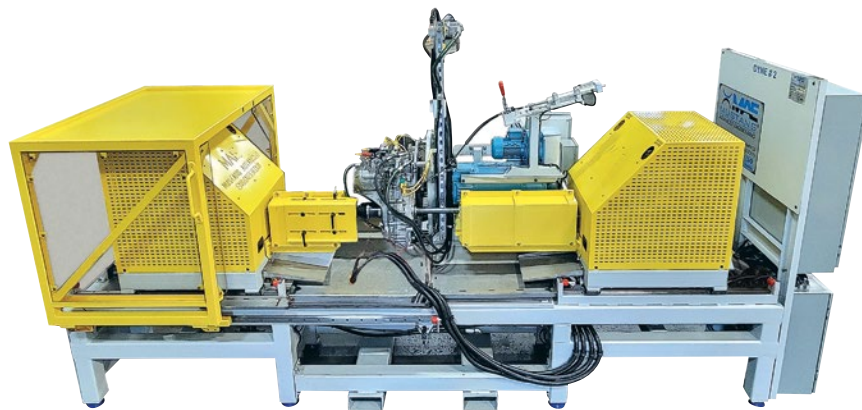
OUTCOME:

MAE's two custom-designed systems streamlined NKP/Honda's quality control process, delivering improved efficiency, precision, and reliability - while consolidating five outdated stations into two cutting-edge, flexible testing platforms.



MAE
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About MAE

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

