

# ENGINEERING

**T**he Neapco engineering staff combines many years of experience and advanced academic degrees to quickly respond to customers' requests with innovative, engineered solutions. Neapco's engineering capability coupled with a long history of driveline design offers distinct advantages for our customers in the marketplace.

To provide each customer with this unparalleled experience and service, Neapco

CONCEPTION

DESIGN &  
ANALYSIS

PROTOTYPE

TESTING

IMPROVEMENT

PRODUCTION

**Speed of development is a key measurement at Neapco.** All product development is completed in a multi-disciplinary team environment to facilitate an integrated design cycle and prevent the classic over-the

**THE ABILITY TO HAVE PROTOTYPE DESIGNS MANUFACTURED IN A SHORT PERIOD OF TIME IS JUST ONE ADVANTAGE THAT NEAPCO PROVIDES TO ITS CUSTOMERS**

equips its engineers with the latest in design technology. Pro-Engineer® is used as the primary design software system. Neapco engineers create solid 3-D models and fully associative detail drawings. These models can be shared in a variety of formats with you to allow concurrent engineering and to ensure that interface requirements are met. Pro-Mechanica® Finite Element Software is utilized to perform stress analysis for validations of new concepts and to evaluate improvements to existing designs. The latest in computer technology is always provided as Neapco values processing time and recognizes the increased demands of today's software. Engineers also have full access to the test lab facility and staff to conduct many varieties of drivetrain testing.

wall paradigm between engineering and manufacturing. The team ensures that the customer is provided with a robust design from both engineering and manufacturing viewpoints. Routine internal peer design reviews provide constructive design insights, allowing engineers to be creative, but remain grounded.

**The ability to have prototype designs manufactured in a short period of time is another advantage that Neapco provides to its customers.** Neapco has a dedicated sample department staffed with talented, experienced personnel that support the engineering departments with prototype builds.

Innovation is key for the OE division and Neapco engineers have developed many concepts that have been awarded US patents. Customers have recognized Neapco with awards for implementing unique concepts.

Neapco has also been recognized by several different customers for cost containment and cost reductions through design & process improvements, materials selections and global sourcing opportunities.

**Neapco engineers are dedicated to the customer.** They personally interface with the customer as much as possible during the design process. Neapco believes that communication is a critical component of the successful implementation of a new design.

