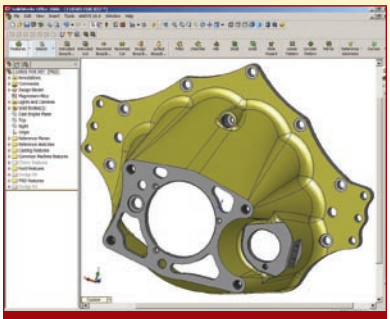
QUARTER MASTER®
RACING CLUTCHES & DRIVELINE COMPONENTS

ENGINEERING & DESIGN

QMI Utilizes the Latest in Engineering Technology



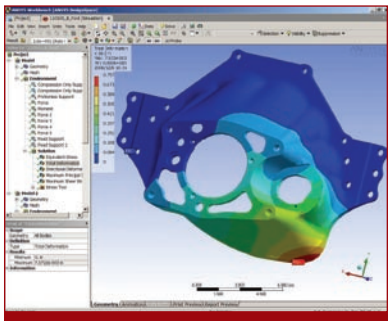
3D solid modeling facilitates the effective transfer of idea to design.

Quarter Master uses the latest engineering technology to design and manufacture the most advanced driveline racing products. By utilizing 3D solid modeling, Finite Element Analysis (FEA) design tools, and CAM systems, we are raising performance standards for lightweight, high performance driveline components while maintaining our reputation for building the most reliable clutches and drivelines.

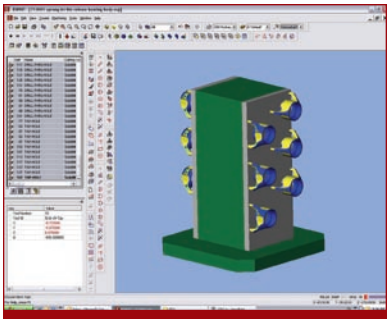
Our solid modeling gives us the ability to optimize part weight and moment of inertia (MOI) from the very start. These models are developed into virtual assemblies to ensure the best possible fit with other components, as well as evaluating ease of installation. Tooling is now made directly from such models, ensuring the most accurate parts for your racing application.

Through the use of FEA, we are able to analyze all aspects of our design from heat transfer to harmonics and stress/strain relationships. The subtle tweaks to the design make the difference between a fatigue life measured in seasons or in laps. Constant development of our loading models ensures that the only 'constant' is improvement.

By using the latest parametric CAM technologies, we are able to make the most of our designs in translating them from files on a computer to hardware on the racetrack. Speed and accuracy are what we live by, and our systems allow us to keep on the leading edge of changes and improvements without slowing us down.



Through the use of FEA, Quarter Master can truly optimize our designs



Quartermaster turns visions to reality utilizing Esprit CAM software

Rapid prototyping was a buzzword several years ago. We still rapid prototype, we've made the transition to rapid production. With ever shrinking budgets and timelines, Quarter Master works to prototype the part in its finished form. The end result could be a rapid cast aluminum bellhousing or a straight-from-billet flywheel.

At Quarter Master, we rigorously test to determine limits and sort out improvements. This starts with the first FEA Analysis, and we take every opportunity to gather data, from the bench, to the dyno, to the track, we test at every possible stage.

Quarter Master is there from the Start line to the Finish line,
bringing the latest technology to your application through our products.

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