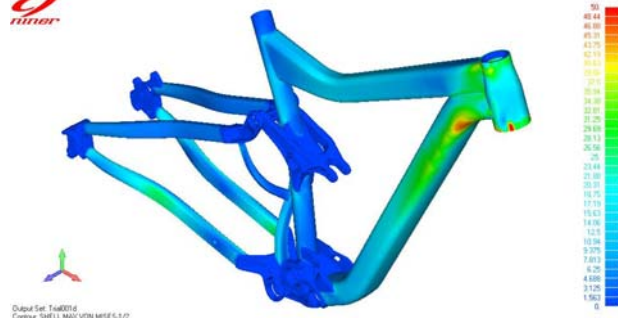


Product Case Study (Niner Bikes – Wheel Mountain Bikes)



Niner Bikes of North Hollywood, California, is the first and only production bicycle company dedicated exclusively to building 29" wheel mountain bikes. The Niner lineup ranges from the simplicity of single speed steel hardtails to the sophistication of long travel full suspension bikes.

Niner Bikes is focused on making the world's best possible bikes. Each bike starts on a clean sheet of paper, and is designed from the ground up. The challenge is optimizing the stiffness and ride characteristics of the bike, while keeping the weight to a minimum - without making any compromises in the bike's strength. Each and every Niner model must exceed the rigorous CEN and DIN Plus testing standards for strength and safety, to ensure that they are up to tackling the world's most demanding riding conditions.

NEi Nastran is an integral part of Niner's design process. NEi Nastran is used at each stage of the design process, in conjunction with CAD design software, to refine the frame's stiffness and ride characteristics, while shaving precious grams in the process - all without compromising strength and durability.

The NEi Nastran package was chosen because of its proven history and the versatility that it offers with the advanced features such as the API programming language. This versatility allows Niner to not only optimize frames for stiffness to weight ratio, but also helps devise new testing strategies that current protocols don't cover. It's the one stop solution to all of Niner's FEA needs.

NEi Software, Inc. is aggressively focused on commitment to the customer. Detailed documentation, customized on-site training, and comprehensive technical support ensures that you will see immediate return on your investment.

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NEi Nastran *for Windows*
From NEi Software, Inc.