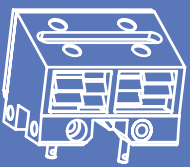


ENGINEERING Built For A Lifetime



ENGINEERING SERVICES

RETROFITTING EXISTING RIDES:

- updating rides to meet new codes and expectations
- Control systems upgrade
- Structural and mechanical improvements

3RD PARTY EVALUATIONS

REDESIGN PARTS FOR LONGER LIFE AND IMPROVED RELIABILITY

WE CAN PROVIDE "HARD TO GET" PARTS

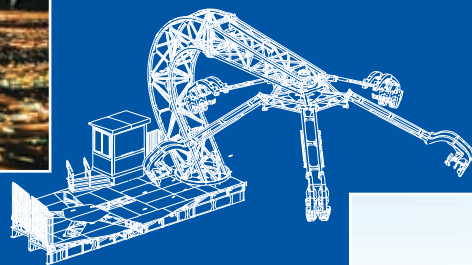
INCREASE QUALITY CONTROL LEVEL OF REPLACEMENTS PARTS

DESIGN AND ANALYSIS



FROM CONCEPT TO

CONCEPTION



3-D modeling allows our designers to see the whole picture before production takes place. This determines how one part interacts with the rest of the assembly, resulting in a large cost savings during fabrication.



ENGINEERING

ENGINEERING

WE SPECIALIZE IN

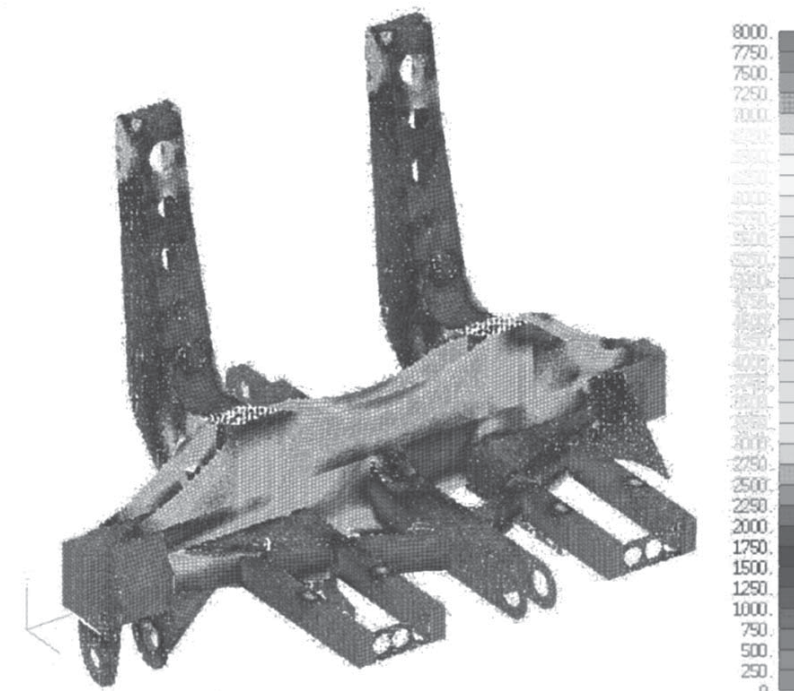
Automated Manufacturing Stations

Process Automation

Industrial Equipment Machine Build

Inspection Stations Using State of the Art Vision Systems

Prototype Design and Implementation



Stress Analysis of passage cart.

ENGINEERING RESOURCES

DESIGN: Our Engineers design parts that work and exceed the requirements. We have the experience necessary to design parts that can be built economically.

FINITE ELEMENT ANALYSIS: We use Nastran to perform our FE analysis and life prediction.

WELDING ENGINEERING: Interactive Rides will supply the correct weld and has the quality control procedure in place to ensure the welds performed will be what was specified.

DATA COLLECTION: We collect stress/strain gauge data, G-force data, speed data etc. and turn the data into useful information. We can perform life predictions on parts, letting you know if the part will break.

FAILURE ANALYSIS: Like most labs we determine why a part failed. We take it one step further and give solutions to prevent future failures.

CONTROL SYSTEMS: We provide upgrades to existing or build new control systems. We offer Allen-Bradley systems with state of the art redundancy.

MANUFACTURING: We have experts in quality control and manufacturing. When we build your parts you can be assured it will be built correctly: The right material, hardness, within tolerance, right down to the surface finish.

PNEUMATIC SYSTEMS: Our engineers have more experience than any other in the world, designing and analyzing pneumatic launch systems used in tower rides and on coasters.

DYNAMICS: Our mechanical engineers can analyze the dynamics of your rides and provide real working solutions.

RIDE SMOOTHNESS: We can improve the dynamics of existing rides.



INTERACTIVE RIDES, INC.

