

COMPANY PROFILE



NAVINYASA

Technologies

Innovate, Design, Excel with Navinyasa Technologies

A journey into the heart of product excellence with Navinyasa Technologies, where mechanical design serves as the cornerstone of our commitment to innovation and precision. In the dynamic landscape of product engineering, we play a pivotal role in crafting the physical elements that define the form and functionality of your products. Our approach to mechanical design spans the entire product development cycle, From conceptualization to detailed design, utilizing Advanced Technology tools (CAD/CAM/CAE) for creating intricate 3D models to Digital validation. Experience the essence of mechanical design excellence that shapes the future of your products with Navinyasa Technologies.

SERVICES OFFERED

New Product Development

Creating something entirely new. It involves understanding what customers need, coming up with ideas, and turning those ideas into real, usable products.

Product Engineering

Improving products to make them better and more cost-effective.

Benchmarking involves comparing your product to others in the industry to see how it measures up and finding ways to improve it.

Machine Design

Planning and creating the physical parts and systems of a machine. This includes figuring out how each part will work together to make the machine function properly.

Tools and Fixtures Designs

Designing the special equipment and tools needed to make or assemble products. This includes things like jigs, fixtures, and other tools that help in the manufacturing process.

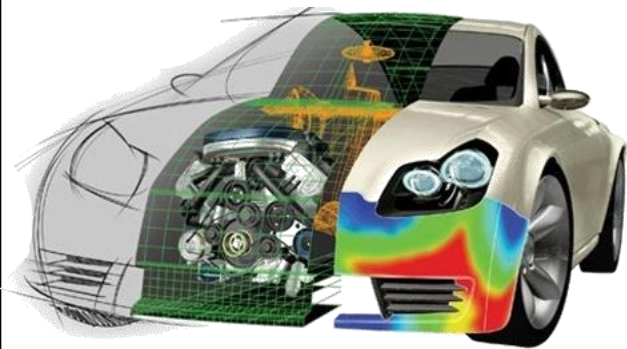
DESIGN

- Concept Design
- Design and Development of components, Sub system & Systems
- Creation of Master Sections
- Engineering the surfaces
- BIW flush-gap objectives
- Sheet metal & Plastic design



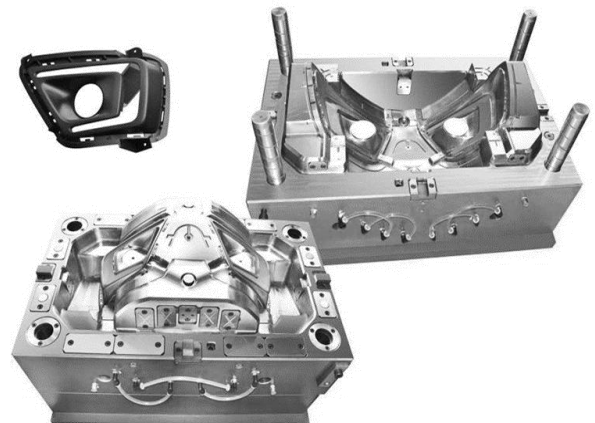
VALIDATION

- FE Modeling
- Solutions for Optimization
- Vehicle analysis – Crash, durability,
- CFD analysis
- Body and Chassis analysis
- Closure analysis
- Mold flow Analysis
- Multi- CAE platform support



TOOL DESIGN

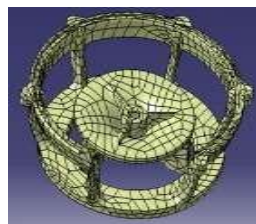
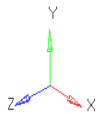
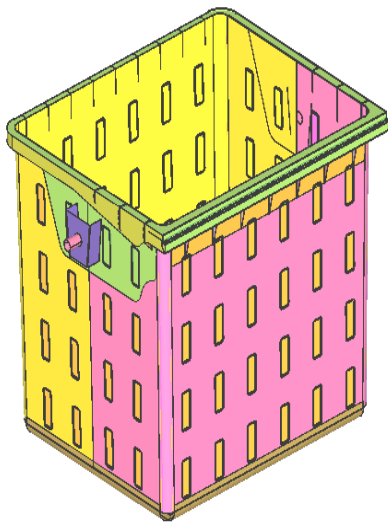
- Plastic tool Design
- Injection molding
- Sheet metal tool design
- Progressive Dies
- Fixture Design
- Gage Design
- Fabrication



Consumer Products

PRODUCT INDUSTRIAL DESIGN

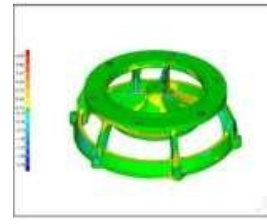
- Strategic service
- Industrial Design
- Human factor & Ergonomics
- Product Rendering & Animation



Scan data



3D data



FEA results

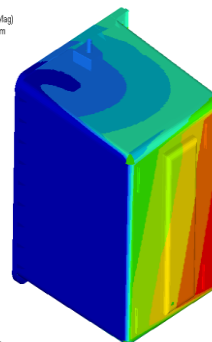
DESIGN

- Concept Design
- Design and Development of components, Sub system
- Sheet metal & Plastic design
- Legacy Conversion
- Engineering Data migration
- Reverse engineering

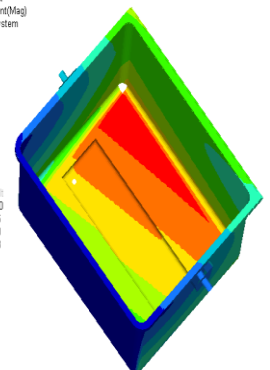
VALIDATION

- FE Modeling
- Solutions for Optimization
- Seismic analysis
- Durability
- Product Vibration

Contour Plot
Displacement(Mag)
Analysis system
-0.190
-0.169
-0.148
-0.127
-0.105
-0.084
-0.063
-0.042
-0.021
0.000
No result
Max = 0.190
Node 21536
Min = 0.000
Node 27663



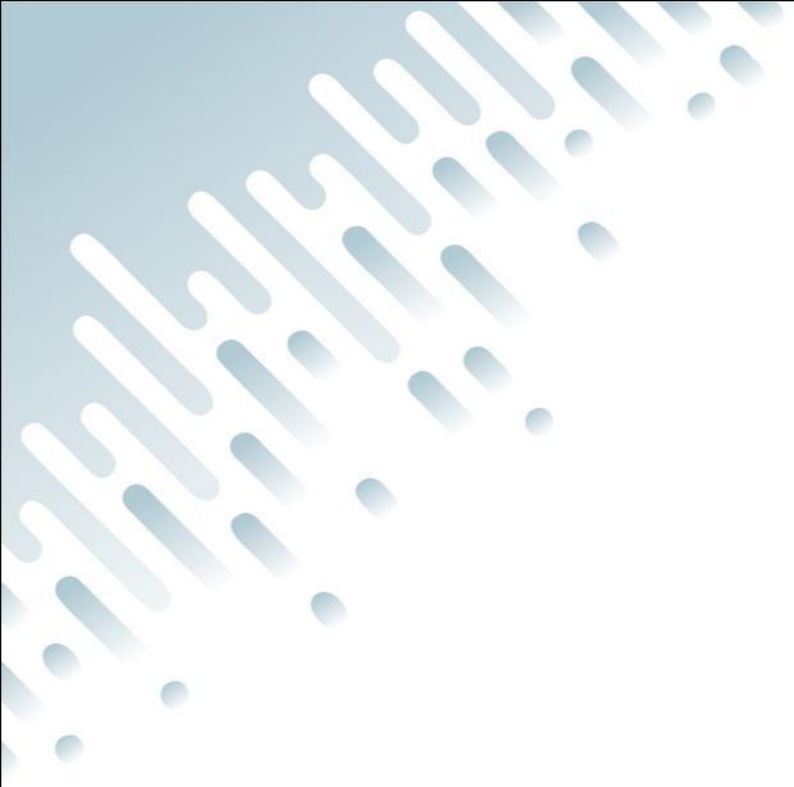
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Industrial Design Studio

- Concept development
 - Feasibility analysis
 - Appearance design
 - Design language & identity
 - Product color & graphics
 - Material exploration
 - Appearance models
 - Detail Engineering
- Prototype
 - Manufacturing support
- Small Production tools





GET
-- IN --
TOUCH

See how we can help you elevate your
product performance to the next level....!

NAVINYASA TECHNOLOGIES

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