

kineticvision

Excellence in Product and Process Development

We Are **Curious**
We Are **Passionate**
We are **Multidisciplined**



**TOP
WORK
PLACES**

Cincinnati.com

The Enquirer

PART OF THE USA TODAY NETWORK

Kinetic Vision has been developing cutting edge products and technology for an international customer base since 1988. We are a full-service firm bringing design, engineering and development talent together to deliver progressive and imaginative product and process technology solutions. Our areas of expertise include innovation, industrial design, mechanical design and development, prototype and testing, modeling and simulation, imaging and analysis, software development, virtual and augmented reality, and visualization.



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Excellence in Product and Process Development

INNOVATION

- Strategic Evaluation for Greater Opportunity
- User Centric Ideation and Collaboration
- Rapid Innovation to Reality (RIR) Process
 - Move to 3D in Days for Qualifying Quickly
 - Create, Test and Learn Fast
 - Increase Options for Intellectual Property
- Extensive IP Experience
- Innovation Experts in Multiple Disciplines



INNOVATIVE IP THAT INCREASED REVENUE 1000%

INDUSTRIAL DESIGN

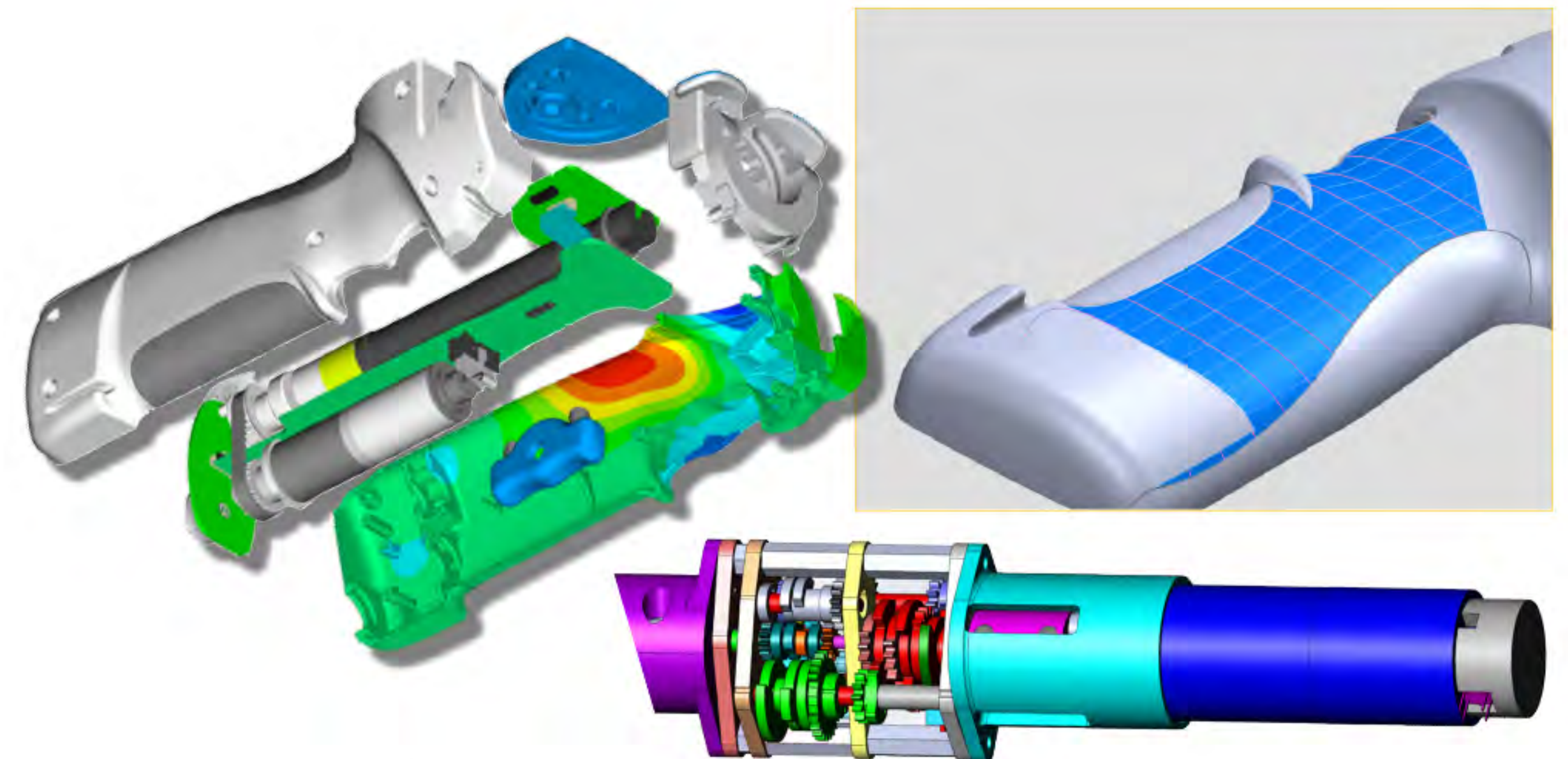
- Consumer, Trend and Market Research
- Product Design and Revitalization
- Brand Identity and Form Language
- Intellectual Property Development
- Ergonomics and Usability
- 3D CAD DFM / Quick Prototyping
- Technology Based Innovation
- Material Finish and Specifications



RADICALLY IMPROVED ERGONOMICS AND USER PROCESS AND EXPERIENCE

DESIGN + PRODUCT DEVELOPMENT

- Advanced CAD Modeling
- Design for Manufacturing and Assembly (DFA / DFM)
- Fixture and Test Stand Development
- Mechanisms and Mechatronics
- Intellectual Property Development
- Prototype Development
- Manufacturing Vendor Liaison



SOLVING COMPLICATED MECHANICS / IMPROVING MANUFACTURING/ASSEMBLY

PROTOTYPING + TESTING

- Polyjet 3D printers / FDM 3D printers
- R&D CNC mill / Lathe
- Force vs Displacement Testing
- Laser Cutting
- Working Prototype Production
- Injection Molding



DEVELOP SIMPLE TO COMPLEX WORKING AND TESTABLE PROTOTYPES

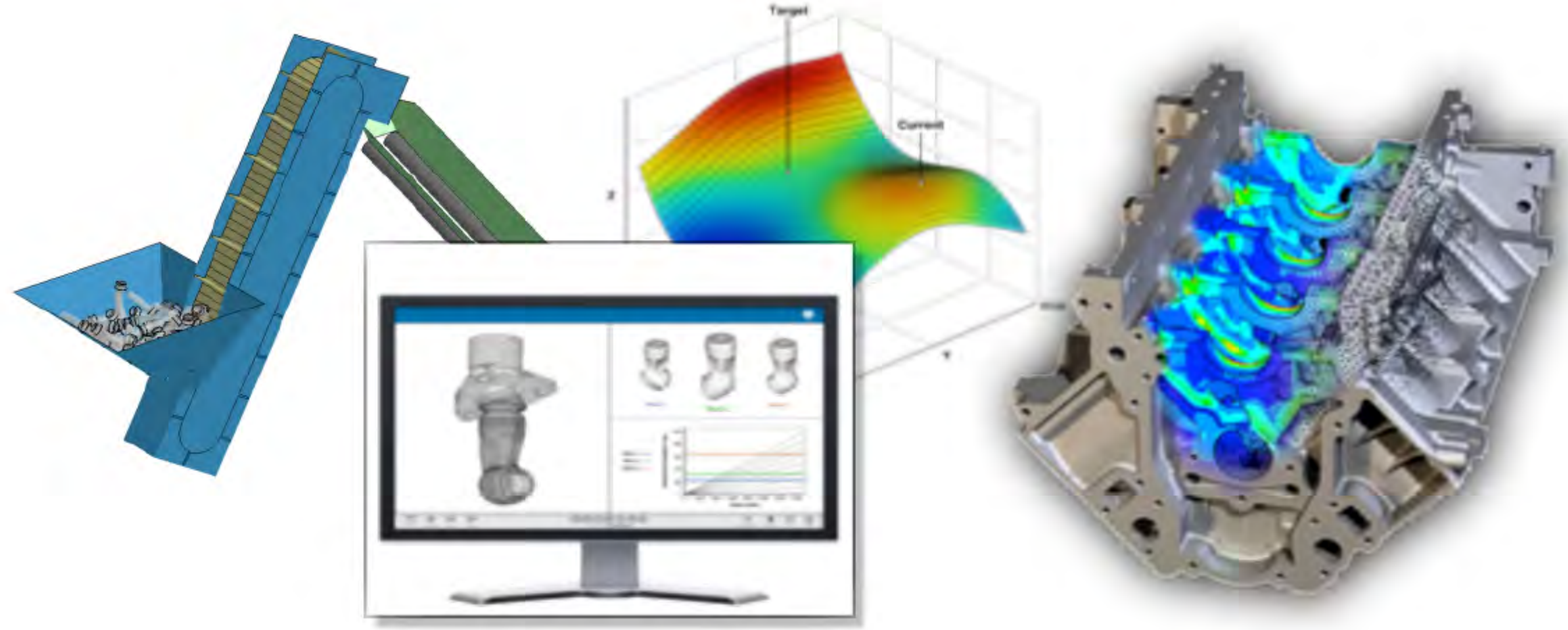


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MODELING + SIMULATION

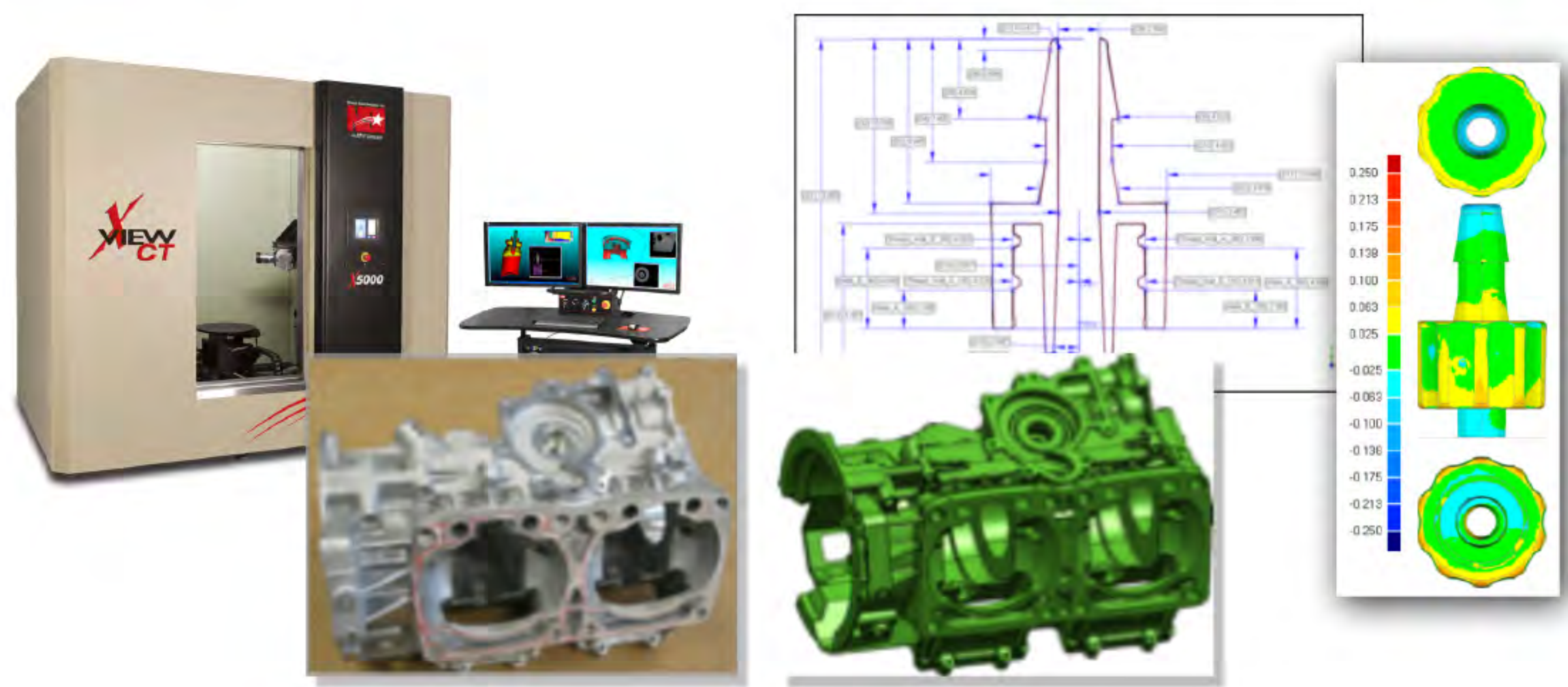
- Virtual Manufacturing
- Dynamic Simulations
- Plastic Injection Molding Simulation
- Fluid-Structure Interaction and CFD
- CAE Automation Tools
- Stress and Fatigue Analysis
- Design of Experiments and Surrogate Modeling



DEFINES EFFICIENCIES IN MATERIAL/PART STRESS AND FUNCTION

METROLOGY + INSPECTION

- Industrial CT and Laser Scanning
- Reverse Engineering
- Time Based 4D Imaging Experiments
- GD&T and 3D Metrology
- Dynamic Failure Analysis
- μ CT Based FEA Models
- Exact Surface Models from Scans
- Nanoscan



RESOLVE COMPLEX ISSUES QUICKLY WITH LOW COST

SOFTWARE + SOLUTIONS

- Web, Mobile and Interactive Experiences
- Modeling and Simulation Applications
- Industrial Gaming and Simulators
- Embedded Systems, Robotics and IoT
- Imaging and Spatial Analysis



IMPROVE EFFICIENCIES IN OPERATION OR EXPAND CAPABILITIES

VIRTUAL + INTERACTIVE SOLUTIONS

- Human Factors and Workflow Simulation
- Collaborate with Multiple Users in Multiple Locations
- Photorealistic Virtual Tours
- Virtual Product Assembly
- Record User Interaction and Data
- Facilitate Training, Sales and Marketing

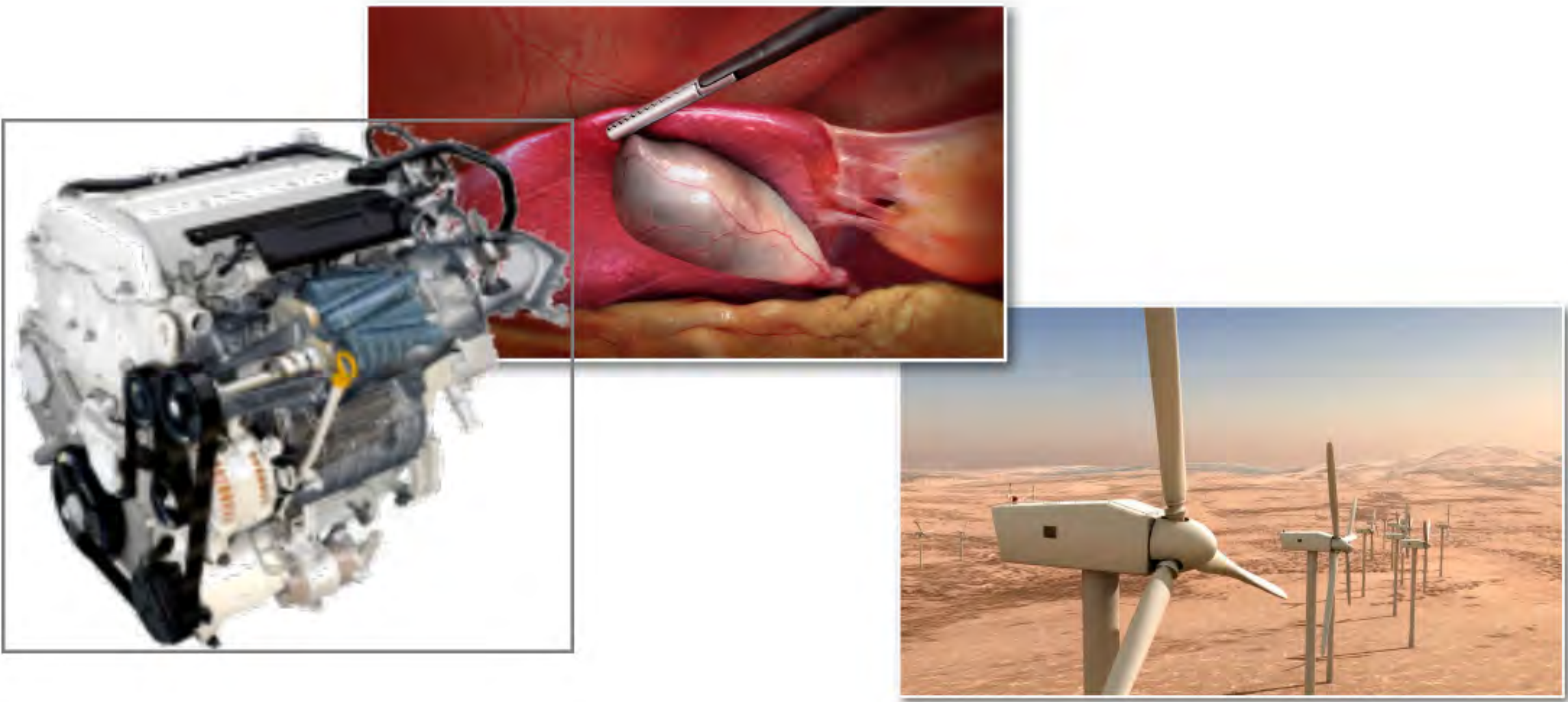


SOLVE UNSEEN PROBLEMS THROUGH DIGITAL EXPERIENCE



VISUAL + COMMUNICATION

- Web and Mobile UI/UX Design
- Technical Visualization
- Medical Visualization
- Interactive Presentations
- Marketing Campaigns
- Brand and Identity Graphics
- Video Editing and Motion Graphics



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