

Engineering



ENGINEERING TAILORED TO YOUR NEEDS

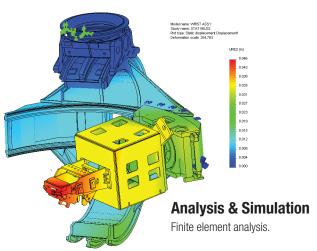
At AM&DE we cater our engineering services for those who design, produce, manufacture, service, or support technical products. Our goal is to provide customers with 360-degree-support for all product-related processes, from concept through design and manufacture to product service.

WITH PRODUCT LIFECYCLE MANAGEMENT BUILT IN FROM THE START

We take a product lifecycle management (PLM) approach that integrates people, data, processes, and business systems with cutting-edge tools for design, engineering, analysis, and manufacturing planning.

TO DELIVER THE BEST POSSIBLE SOLUTIONS

Our combined experience with understanding of the nuances of multiple disciplines and various engineering analysis techniques gives us the ability to tackle complex processes and consistently create the best possible products to capture greater market share, and increase customer satisfaction.







Equipment Design

Semiconductor processing equipment.







Product Development

- Lab devices and instruments
- Medical instruments
- Electronics
- Robotic systems
- Software development
- Software testing
- PCB development

Equipment Design

- Precision positioning systems
- Machine tools and CNC equipment
- Precision material handling equipment
- · Agricultural & off-highway equipment
- Mining equipment
- Aerospace manufacturing systems
- Factory automation, PLC & HMI programming

Plant Layout

- Plant & equipment simulation
- Capital equipment engineering and selection
- Plant layout
- ROI studies and cost studies

Analysis & Simulation Services

- FEA
- CFD
- Thermal analysis
- Motion and kinematic analysis
- Animations

CAD & CAE Services

- 3D CAD
- · Assembly drawings, detail drawings, drafting
- Electrical schematics
- Hydraulic and pneumatic schematics
- Geometric dimensioning & tolerances
- Design for assembly
- Design for manufacturing
- Prototyping
- Blueprint creation



