



SIGMA
DESIGN

Professional Engineers and Designers

Providing Technical Assistance for:

Engineering Departments	Engineering Analysis: Computational Flow (CFD), Heat Transfer (FEA & CFD) Stress Analysis of Parts & Assemblies (FEA) Complex Mechanism Development Specialty Machine Design CAD Design Services – Unigraphics NX, SolidWorks, AutoCAD Geometric Dimensioning & Tolerancing ASME Y14.5M Metal Castings & Plastic Parts including Material Selection ASME Pressure Vessel Design Piping & Filtration System Design
Product Development Groups	Product Feasibility Studies Conceptual Designs and Layouts Performance Calculations Develop Detail Design Specifications Develop Rapid Prototype Patent Research & Applications
Marketing Departments	Competitive Analysis Product Features & Benefits 3D Product Views & Assemblies Develop Sales Drawings Create Application Data Sheets
Industrial Engineering Departments	Lean Manufacturing Training Test Machine Design Specialty Production Machine Design Equipment Arrangements & Specifications Production Tooling & Fixture Design
QA & QC Departments	Dimensional Tolerance Reviews Design Inspection Tools & Fixtures Develop Inspection Drawings

Turning Smart Ideas into Product Solutions

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