

# Who and How We Assist



Sigma Design Company provides 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