



Diver Consolidated Industries

DCI's engineering services provide a disciplined approach to the design & development of engineered metal products & assemblies ensuring adherence to the highest quality standards. Utilising state of the art technology, combined with our team of experienced engineers, we create innovative designs that translate to efficiently manufactured components giving our customers a competitive edge.



ENGINEERING

Design Engineering

Design capabilities

Hinge & closure systems, mechanisms, cross car beam assemblies, metal pressings & welding, heat & acoustic shields, with detailed evaluation in the following fields.

- Static linear & non-linear structural analysis
- NVH modal analysis
- Durability/Fatigue analysis
- Linear buckling analysis
- Thermal steady-state heat transfer analysis
- Static & dynamic kinematic analysis
- Acoustic testing & analysis

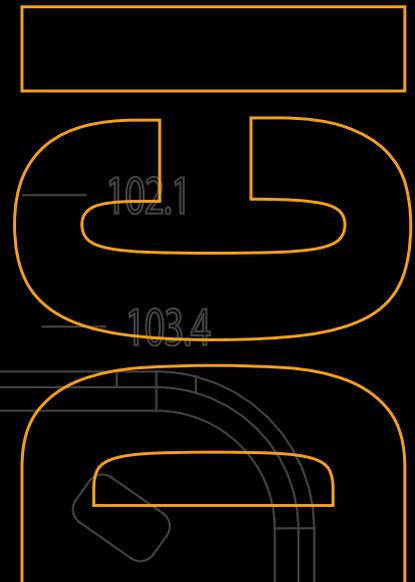
CAD/CAE Applications

Unigraphics NX*
CATIA V5*
IDEAS C3P*
Pro Engineer

CAD/CAE Neutral Format Compliance

NASTRAN
Parasolid *
STEP203
STEP214
CGM
STL
JT *
IGES*
VRML
DXF *
DWG *

* Registered Trademarks of their respective companies.





Development Services

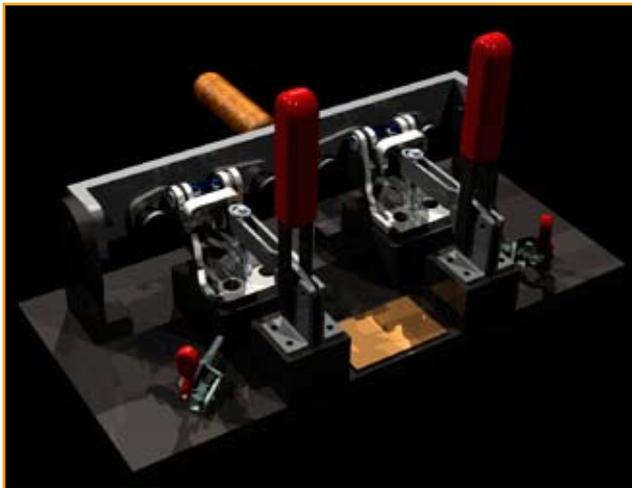
- Project management
- Prototyping
- Tool, jig & fixture design and manufacture
- Full machine shop capabilities
- Design validation
- Design & Manufacture of test rigs
- Design Feasibility

Production Feasibility

- Design for manufacture
- Production assembly layout & design
- Production systems design, implementing lean manufacturing practices

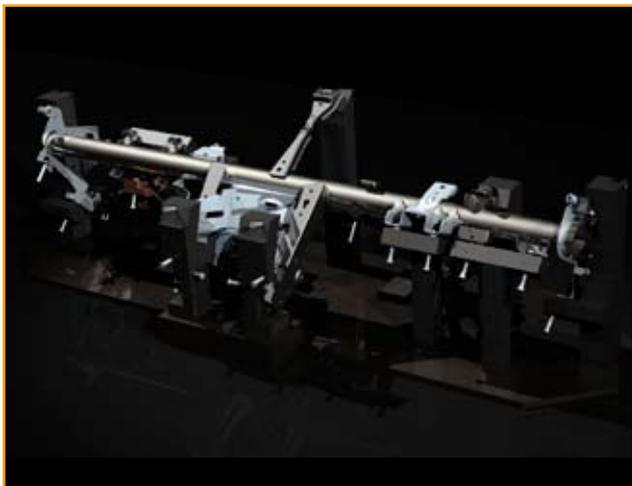
Other Services

DCI is a solution orientated organisation that will project manage the product design and development, or offer contract project management for the entire process.



Jigs and fixtures

In-house design and manufacture of jigs, fixtures and tools.



Complex fabricated assemblies

Automotive instrument panel cross car beam, constructed to exacting specifications.

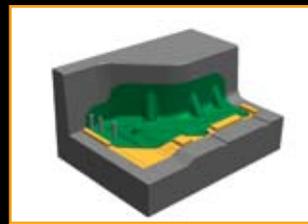
Design capabilities



CAE structural analysis



CAD hinge and closure systems



Design for manufacture



Dimensional analysis of assemblies



Customised thermal & acoustic shields



Value Added Value Engineering

Diver Consolidated Industries

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