



DESIGN FOR MANUFACTURE
LTD. is an engineering
design consultancy based
at Wolverhampton Science
Park.



DFM works with clients to undertake proof of principle studies in order to establish a viable process before the client commits its resources to design work. This work usually involves singling out the high risk part of the process and devising a practical method in order to establish empirical data. This has the benefit of reducing the project lead times since the technically challenging aspects are understood. It may also be financially beneficial since technically challenging aspects can be accounted for.





DFM offers conventional site surveys consisting of physical measurements and accompanying photographs along with laser scanning of whole areas ensuring that every detail is captured!



With more and more companies embracing automation and data collection via the internet, machines are becoming smarter with the ability to self monitor, self diagnose and self manage complete systems. Underpinning all of that technology has to be sound mechanical engineering. We work collaboratively with technology orientated OEM's. Our objectives are to grow our capabilities and increase our presence within this business sector.

Working from our offices we have a dedicated engineering team to support clients with their projects requirements across a broad and varied range of engineering sectors including, (but not limited to), defence, aerospace tooling, robot automation, special purpose machinery, pharmaceutical assembly processes, medical device, product design and general engineering applications. We can undertake projects from first principles to final 2d draughting and issue of drawings with partlists for manufacture.

DFM offers engineering support at clients premises. We can supply engineering personnel along with computer hardware and cad software. Our engineers can work autonomously or along side the clients engineers.



DFM provides clients help with risk assessment and CE compliance, along with writing operation, maintenance and deposal manual's. We provide customer support during manufacture, assembly and commissioning phases of the project.



The vision is for continual growth and to build upon our strength in depth of engineering knowledge. Our technical skill sets are transferable from one application to another and from one client to another. We pride ourselves on our good reputation and delivering engineering excellence.



What we offer?

Working from our offices we have a dedicated engineering team to support clients with their projects requirements across a broad and varied range of engineering sectors including, (but not limited to); defence, aerospace tooling, robot automation, special purpose machinery, pharmaceutical assembly processes, medical device, product design and general engineering applications.





What we do?

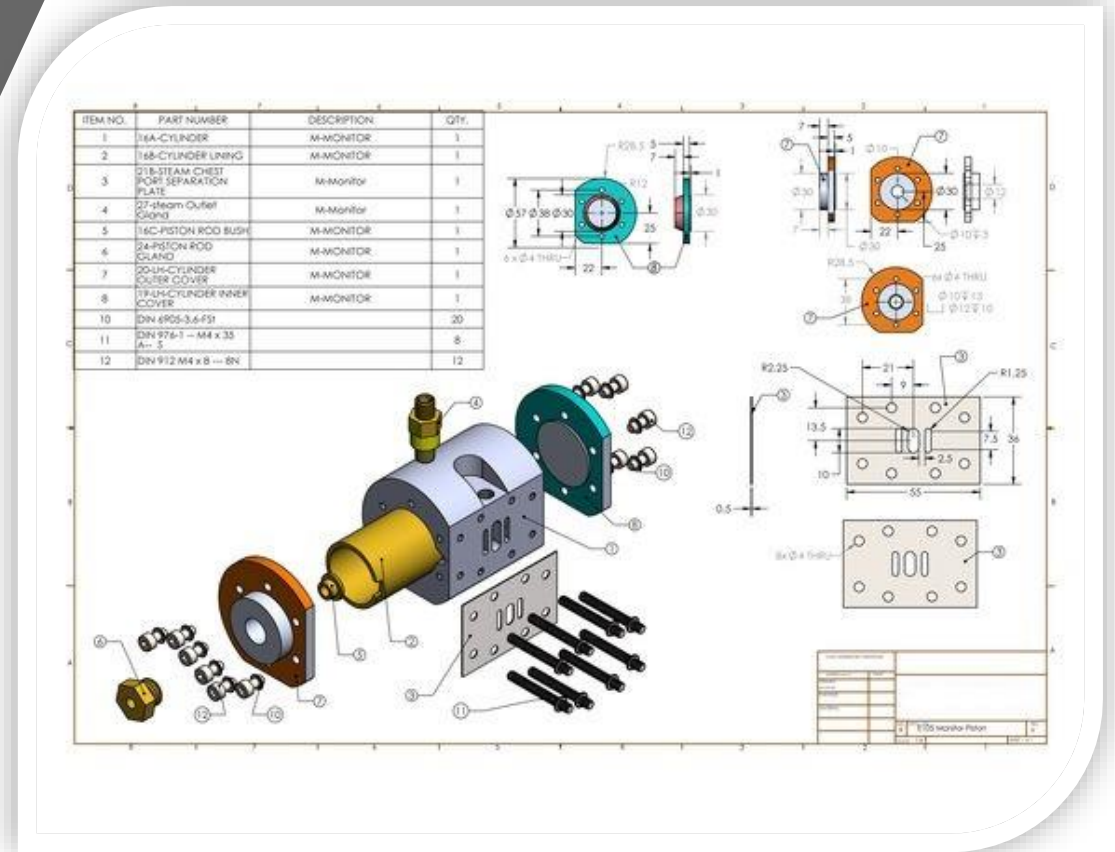
Automation, special purpose machinery, integrated robot cells, jig and tool, test rigs, automatic guided vehicle and much more.

Sectors including aerospace, nuclear, pharmaceutical, medical, defence, automotive, electronic assembly.

Latest design tools

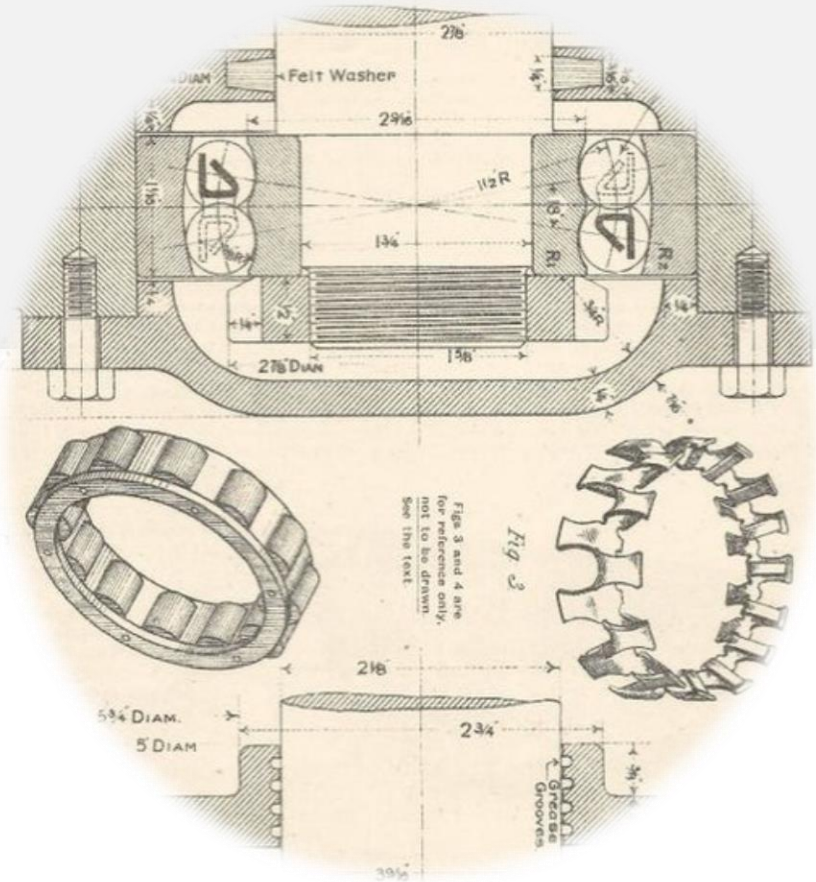
Offering the latest design tools including Autodesk Inventor, SolidWorks, Catia, Unigraphics, 3D printing for proof of principle studies, finite element analysis, help with CE compliance, Autocad 2D, site survey, reverse engineering.

We provide total design solutions working from our office or we can supply design support at your place of business.



Classic engineering at heart

At the heart of every successful solution is sound engineering. At design for manufacture we blend traditional engineering with modern techniques. Including complete 2D drawing packs and parts lists of your engineered solution to cad to cam export files thus reducing time to manufacture. We provide onsite support services to assist with assembly, machine 'run up' installation and commission phases of each project. We also offer a technical documentation service writing operation service and disposal manuals.



CAPABILITIES





MOTOR TO DRIVE BELT

SPACE AND SCRATCH PROOF GLASS

PRODUCT DESIGN

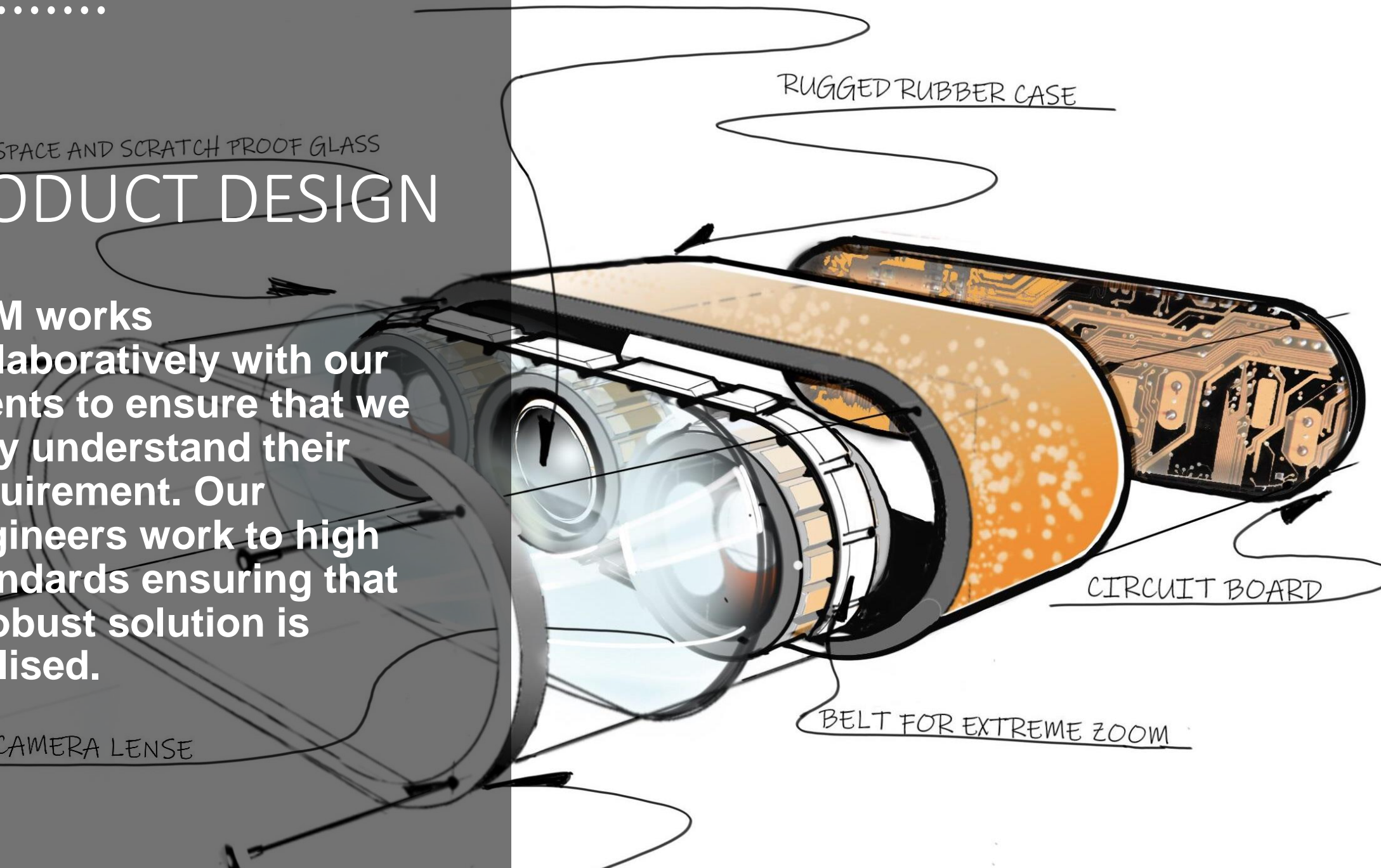
DFM works collaboratively with our clients to ensure that we fully understand their requirement. Our engineers work to high standards ensuring that a robust solution is realised.

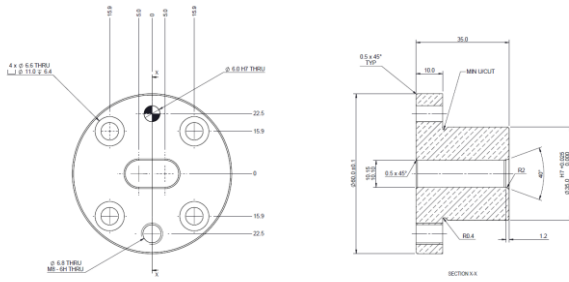
4K CAMERA LENSE

RUGGED RUBBER CASE

CIRCUIT BOARD

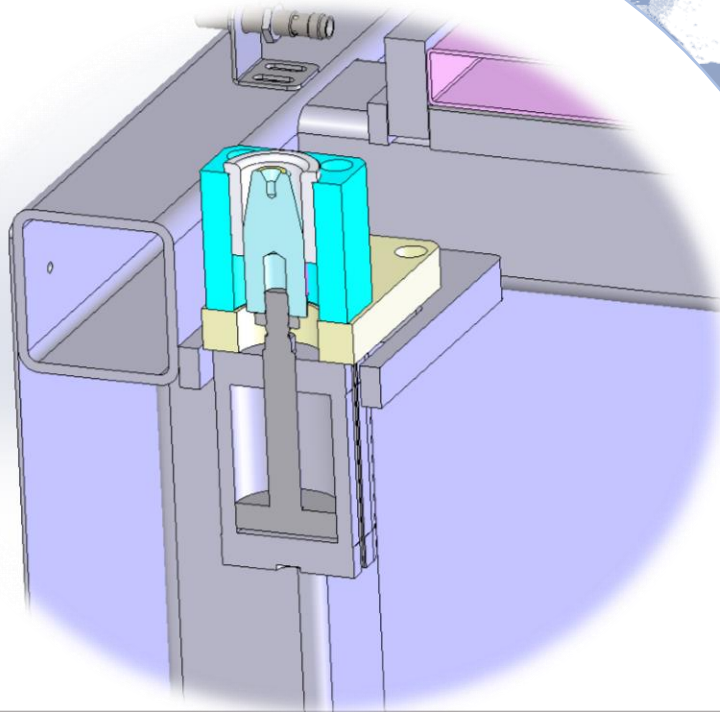
BELT FOR EXTREME ZOOM





DFM undertake projects from first principles through to final 2D drafting and issue of drawings along with parts lists for manufacture.

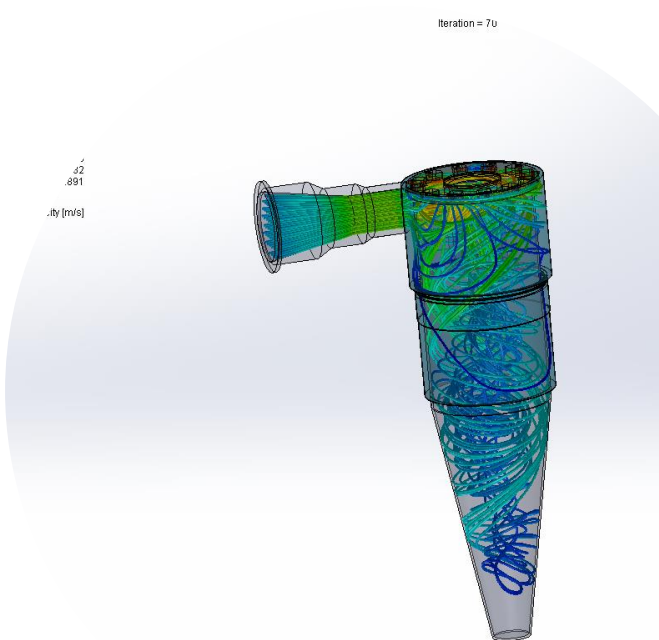
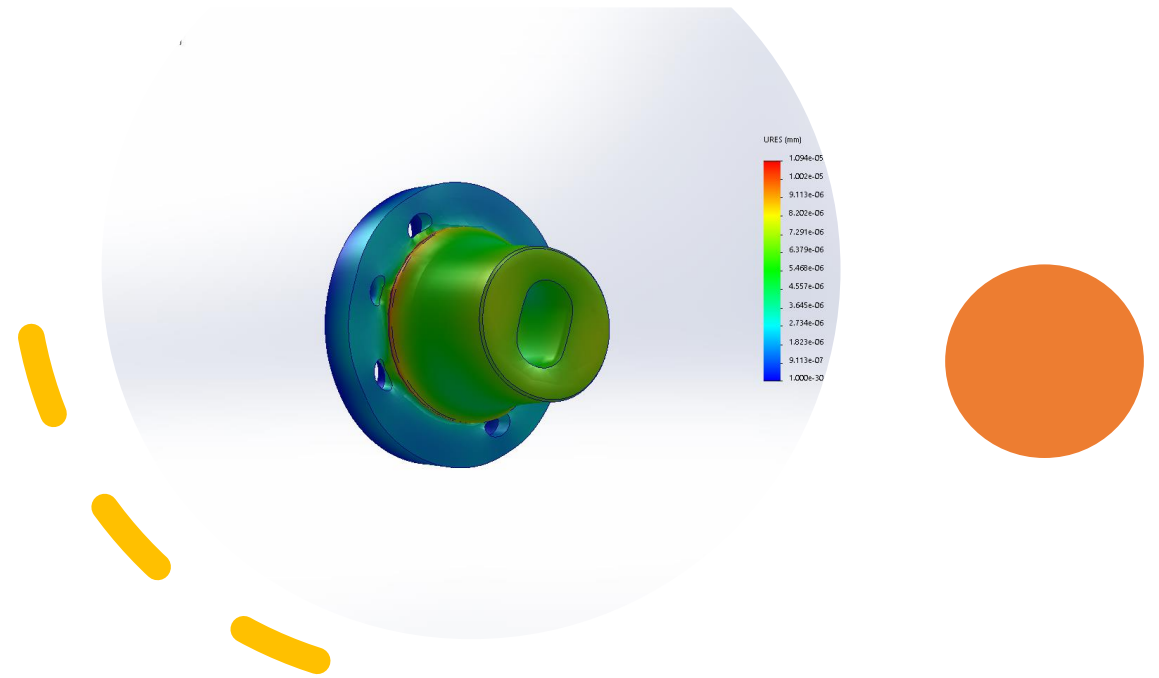
2D & 3D CAD



DFM provides design engineering services using the latest 3D modelling software including SolidWorks, Autodesk Inventor, Catia, Unigraphics.

FEA SIMULATION

DFM offers Finite Element Analysis validation on product design.



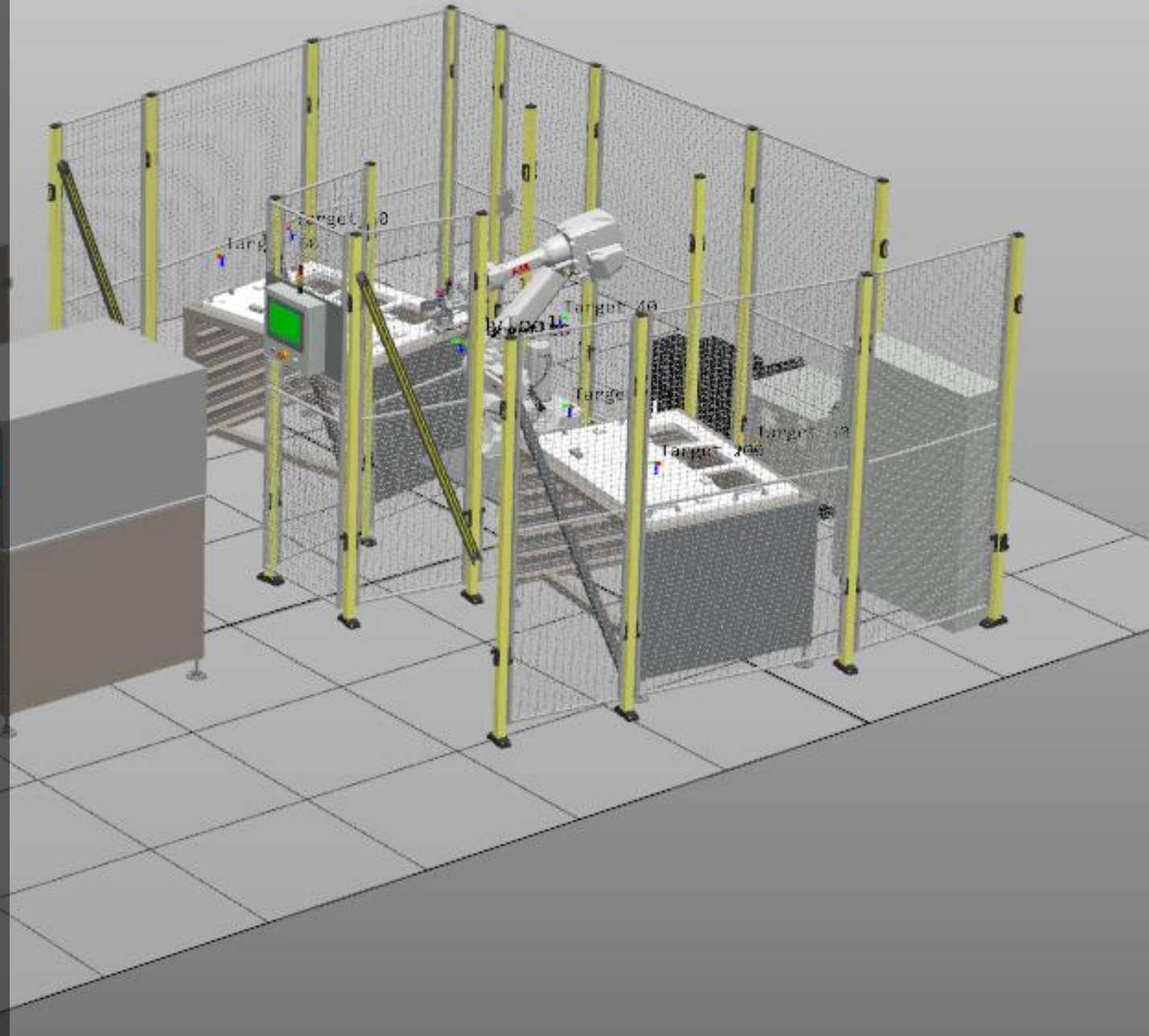
FLOW SIMULATION

DFM provides flow simulation to assist in the design of the component to achieve specification.



3D SIMULATION

DFM provides process validation using simulation software to optimise work flow and cycle time.



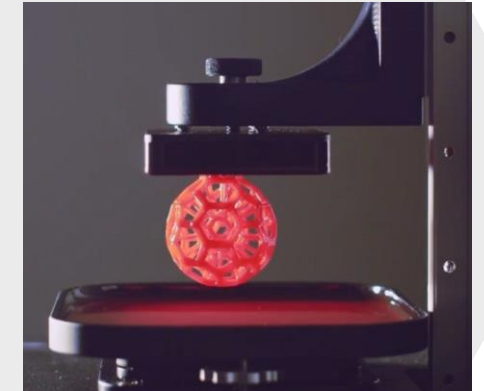
PROOF OF PRINCIPLE

DFM works with clients to undertake proof of principle studies in order to establish a viable process before the client commits its resources to design work. This work usually involves singling out the high risk part of the process and devising a practical method in order to establish empirical data.



REVERSE ENGINEERING

DFM offers reverse engineering services. Working with clients who wish to have complete and up to date 3D models in a cad software of their choosing along with a complete set of 2D drawings ready to issue for manufacture, we're happy to work with the client to strip, measure and provide documentation of legacy equipment.



MANUFACTURING SUPPORT

DFM have access to the latest additive manufacturing techniques (3D printing) using various plastics, filled plastics and alloys. We also have a close association with fabricators and toolmakers that enables us to offer prototyping as well as production solutions.

SUPPORT

DFM offers engineering support at clients premises. We can supply engineering personnel alongside with computer hardware and cad software. Our engineers can work autonomously or alongside the client's engineers.



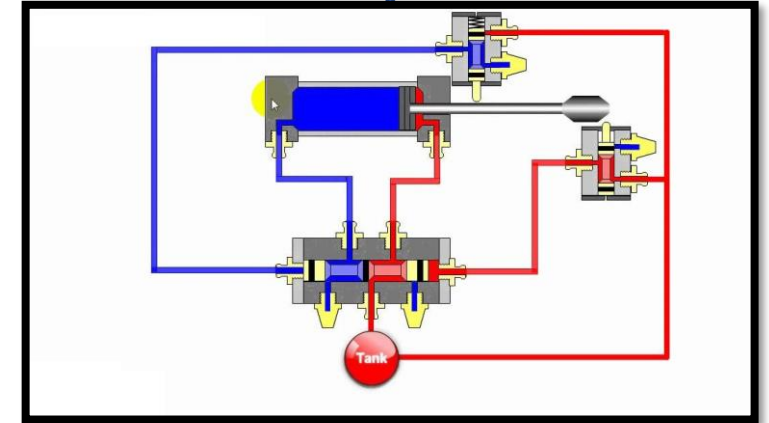
CONTROL SUPPORT

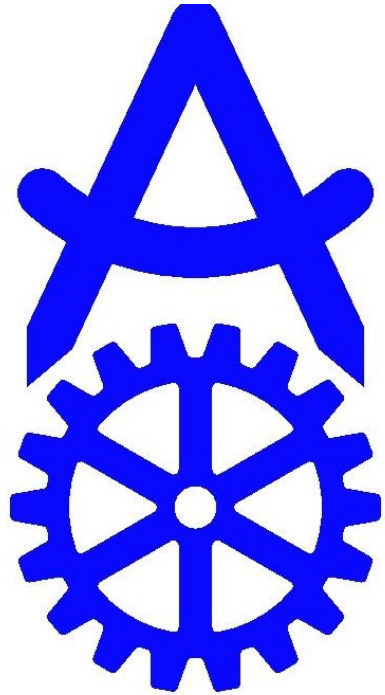
DFM provides pneumatic & hydraulic circuit design along with network of trusted electrical engineers, PLC programmers and robot programmers..



RISK ASSESSMENT

DFM provides clients help with risk assessment and CE compliance, along with writing operation, maintenance and disposal manuals. We provide customer support during manufacture, assembly and commissioning phases of the project.





DFM LTD.

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