

Engineering Design Skills



Whether you have an idea you want to progress, or have a problem you want to solve, MMD can provide the solution.

We can be used as an additional resource to your existing engineering capability, or provide that capability where there is none. Anything from advice and ideas to prototypes and full working machines are all available from MMD.

Using our in-house electronic, mechanical and software expertise, we can help with any stage of a project, from concept through to completion. Alternatively, you can choose to use just one of our specific skills, such as software programming or mechanical design.

With over 50 years of design and manufacturing experience MMD can provide the technical expertise you need. Please contact us to discuss your application.

Design Skills Summary

- Printing, packaging and special purpose machinery
- 3D CAD modelling and concept generation
- Precision mechanisms design
- Mail and document transports and feeders
- Automation, system integration and process control
- Mechatronics – machine and mechanism control
- System analysis, performance enhancement and troubleshooting
- Modifications and upgrades
- High speed photography capability
- Cost reduction
- Independent design reviews
- Test rigs
- CE, Documentation and Safety
- Real-time control applications, electronic hardware & software
- Motor drives and control - stepper motors, brushed and brushless DC motors. Optimisation of drives and control systems.
- System control and integration, Trio Motion Controllers
- Analogue systems, power electronics, low power and battery powered equipment. Opto-electronics. Obsolescence re-designs. Telemetry & Data Logging.
- RS232, RS485, CANBUS, Ethernet etc.
- Assembler, C, C++, Visual tools, Visual Studio. Windows, Linux and QNX Platforms, Visual C/C++, Visual Basic
- DSP simulation and design, pattern recognition and novel sensor applications.
- Microcontrollers, DSP, Embedded systems