



stephen james | technologies

Stephen James Technologies is an innovative product design consultancy

Product Design Engineering

Pre-Project Evaluation

Market research, product audits, cost reduction analysis, design advice, project management

Concept Design

Idea generation, product styling, mechanical design, detailed paper-based designs, presentation drawings, concept models, budgetary costings

Human Factors

User surveys, ergonomic and anthropometric analysis using full size physical models or rigs

Design Engineering

Mechanical assemblies, design for manufacture (DFM) using all materials and techniques, design for assembly (DFA), product or component re-engineering, 2D/3D CAD drawing

Model Making & Prototyping

Full size working or presentation models, production quality prototypes, rapid prototyping, rapid tooling, low volume pre-production samples for product launches

Product Branding

Name generation, graphic design, product data sheets, instruction leaflets, packaging design

Other Services

Low & high volume component manufacturing, component re-sourcing (UK and Asia), product assembly, product trials, full functional testing, CE and UL certification



We offer a comprehensive product design, engineering and development service to all sectors of industry, managed throughout by professional Chartered Product Designers.

We bring a wealth of experience to the design world, and a fresh approach to new product design. We combine design flair with the practical experience of carrying through development from concept to the production environment.

Our approach ensures that the final product appeals not only to the end user, but also to all those involved in the difficult manufacturing, marketing and financial decisions on the path to a successful product launch.



Electronic & Software Design

Circuit Design & Schematic Draughting

Industrial controls, microprocessor controls, switch mode power supplies, power factor correction, smart card readers, RFID, touchscreens, power supplies, battery chargers and monitors, interfacing to a PC

Printed Circuit Board (PCB) Design

Multilayer, single & double sided, surface mount & through hole

Parts List Generation

Stockit for Windows, Excel compatible lists

Production Test Equipment

Windows driven with database storage of results, simple manual test equipment

Windows Software

Control software, statistical processing software, smart card interfacing, Windows 95/98/ME/2000/ XP, embedded Windows CE

Embedded Control Software

PIC micro controllers, ST micro controllers

Other Services

Surface mount assembly, through hole assembly, electro-mechanical assembly, conformal coating, full functional testing, CE & UL certification



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