

Repaircraft PLC

TECHNICAL DIVISION

defence and aerospace design, manufacture and support

TECHNICAL SERVICES

DESIGN

Repaircraft provides design services covering feasibility study, design and development, prototype manufacture, verification and validation testing.

Disciplines include:

- Mechanical
- Hydraulic
- Pneumatic
- Electrical
- Electronic

Design Tools include:

- Solid Works
- AutoCad
- Visio
- Design Spark



TESTING & VALIDATION

Design and management of Test Plans. Design and manufacture of Test Equipment. Analysis of Test Results. Preparation of Reports. Approval sign-off.

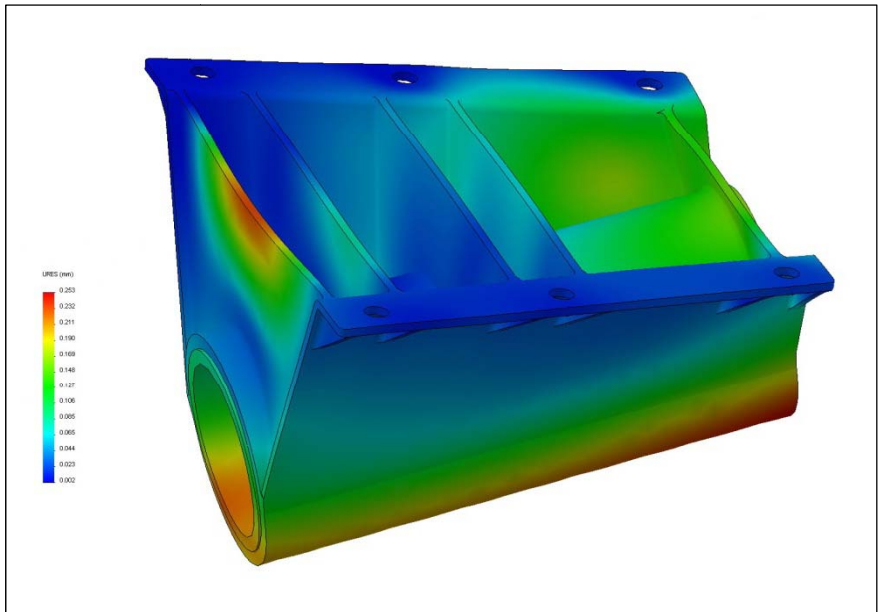
Computer analysis capabilities include: Linear Static, Motion, Optimisation, Frequency, Buckling, Thermal, Drop Test, Fatigue, Pressure Vessel, Non-Linear, Composites, Advanced Dynamics and Flow Simulation (CFD)

POST DESIGN SERVICES

For mature equipment Repaircraft can take over complete technical responsibility, which can include Design Authority, for an equipment or system.

OBSOLESCENCE SURVEILLANCE SERVICES

Repaircraft provides Obsolescence Surveillance Services to locate, track and monitor component availability for legacy equipments that are likely to suffer from future Diminished Manufacturing Sources (DMS) or obsolescence.



RE-ENGINEERING SERVICES

If it is not possible to obtain a vital component or equipment Repaircraft can either design and manufacture a replacement, or redesign the parent equipment or system to accept a modern alternative.

MANUFACTURE

MECHANICAL

Machining and fabrication.

ELECTRICAL

Conventional electrical assembly, coil winding, encapsulation and harness work.

ELECTRONIC

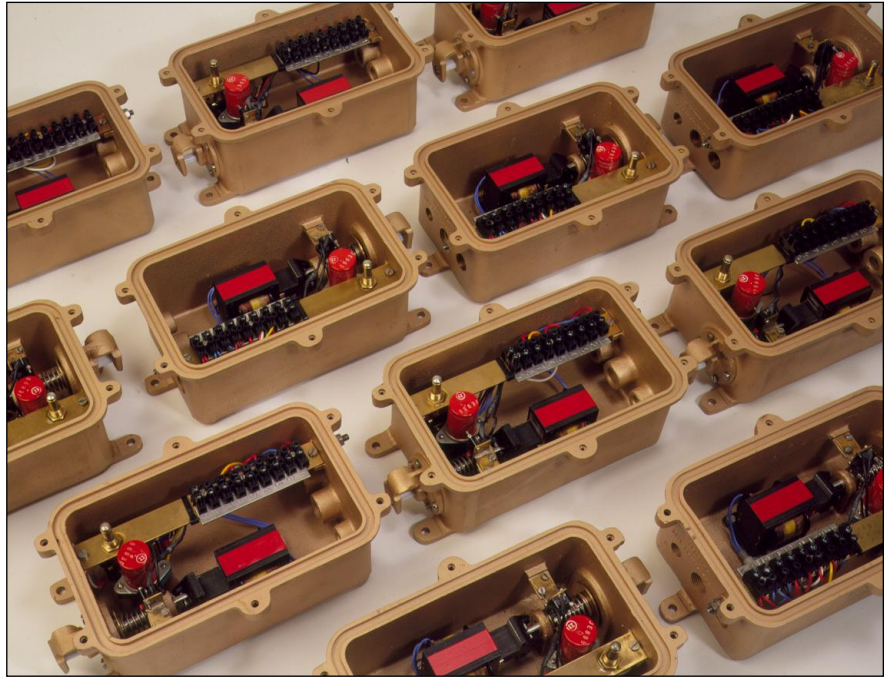
Low volume, conventional and surface mount single and multi layer board capability.

ASSEMBLY

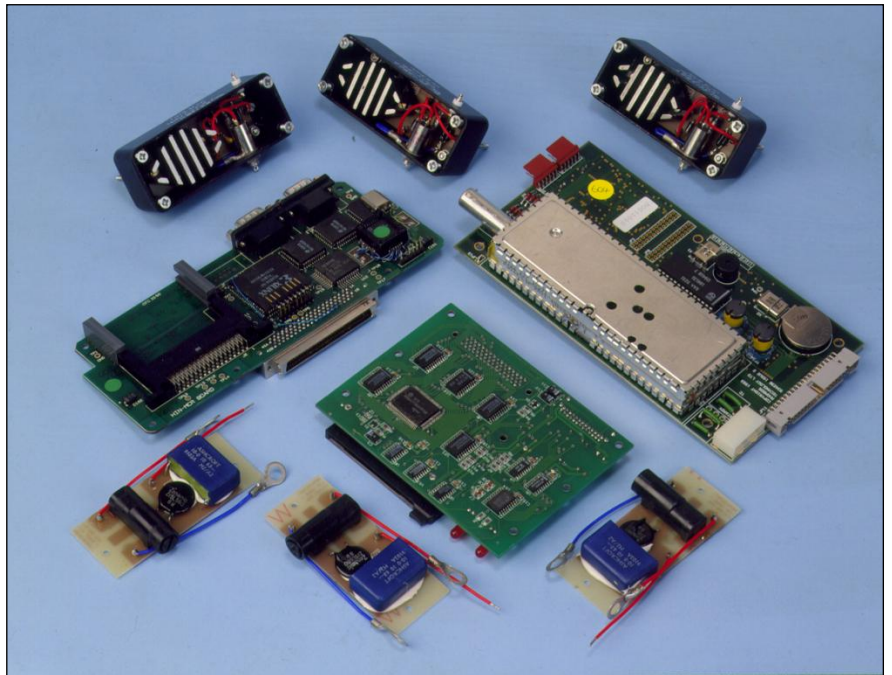
British Standard BS5295 Class E / US Federal Standard 209E Class 100 / ISO 14644-1 Class 5 Clean Air Facility.

INSPECTION AND TEST

A wide range of Mechanical, Physical and Electronic Test Equipment.



Electro-mechanical assembly



Low volume electronic modules and PCB's

REPAIR & OVERHAUL

CAPABILITIES

Mechanical, Gyroscopic, Pressure and Vacuum, Electrical, Electro-Mechanical, Electronic etc.

TECHNICAL DATA, MANUALS, DRAWINGS AND SPARE PARTS SOURCING

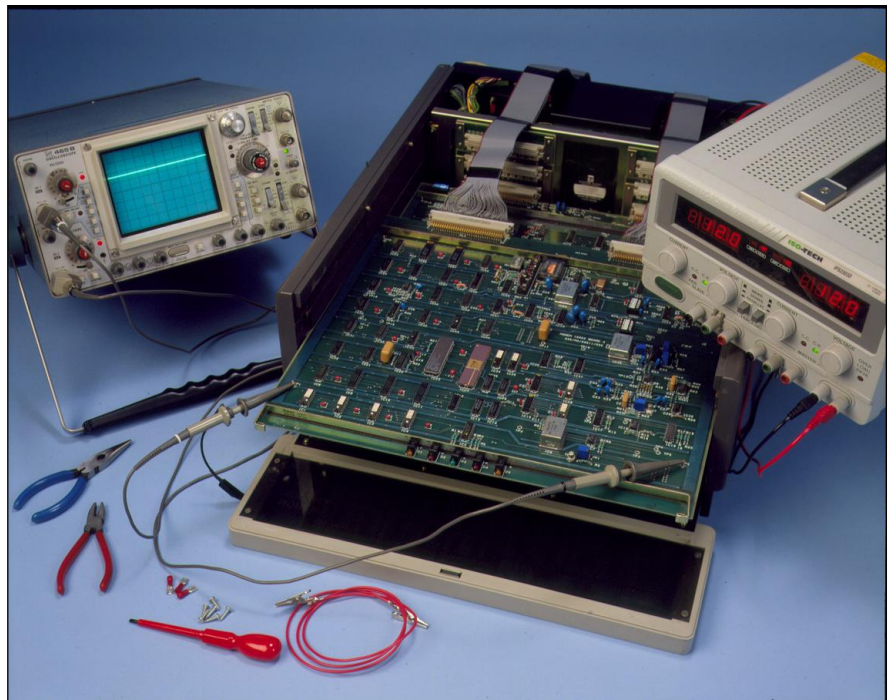
Where this information is not available Repaircraft can develop overhaul and repair schemes, test schedules and documentation. The sourcing of old, obscure and hard to find parts is carried out by the Repaircraft Supply Division.

URGENT REQUIREMENTS

A 24 hour, 365 day per year hotline service can be provided.

FIELD SUPPORT

A Nationwide and Worldwide service is available.



QUALITY ASSURANCE

Repaircraft hold various Approvals including:



ADDITIONAL SERVICES

In addition to Design, Manufacture, Overhaul and Repair, Repaircraft can also provide the following service:

UK PRODUCT SUPPORT FOR OVERSEAS COMPANIES

For overseas manufacturers that have sold equipment to the UK Ministry of Defence, but where it is uneconomic for them to set up a dedicated UK support centre, Repaircraft can provide a comprehensive range of Warranty and Support services.

PRODUCT ACQUISITION AND LICENSING

Old well established product lines are sometimes neglected as companies change business focus to move into new market sectors. Also, company re-organisations often identify products which, although marginally profitable, are not cost-effective in management time and expense. Usually, however, these old product lines have to be supported, sometimes uneconomically, to maintain good customer relations.

For manufacturers that wish to maximise the return on their original investment and divest themselves of these long term support responsibilities Repaircraft are interested in acquiring such product lines.

Alternatively a Licensing Arrangement can be set up whereby Repaircraft takes over complete responsibility for post design services, manufacture, stockholding, repair and overhaul, marketing and finance, and any profits made are shared between Repaircraft and the original manufacturer.

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DEFENCE AND AEROSPACE PARTS AND SYSTEMS SUPPLY, OVERHAUL AND REPAIR
