

Keyford



**G.S.E., Maintenance Tooling and
Electronic Test Equipment for
Worldwide Aviation.**

**Special Purpose Machinery and
Precision Assemblies for Industry.**



30 Years Experience and High Level of Skills Support Customer Base Worldwide



Typical machined components

Our customers tell us Keyford in the aircraft ground support industry is synonymous with technical know-how, service and quality. The only way we maintain this reputation is by employing people with exceptional levels of skills and knowledge of aircraft maintenance and systems testing. This together with the correct mix of precision machine tools, fabrication and electronic assembly enables the Keyford team to build the most complex equipment or system to fulfil and often exceed customers expectations. In addition the Keyford team are uniquely skilled to offer the best expert advice and support to customer design engineers. At our Somerset based facility, which is well located for easy access to Britain's airports via the M-way system we undertake projects for many of the world's leading aviation companies including British Airways, Westland Helicopters, Bae, Boeing, G.E., Rolls Royce, Virgin Atlantic.

In addition to the latest ISO 9000 accreditation and R.R. SABRe approvals, Keyford is an approved supplier to many Airlines and Aerospace companies worldwide

SERVICES

- Project design support and implementation
- CNC machining
- Vertical boring
- Welding and fabrication
- Electro mechanical assembly
- Electronic systems build

PRODUCTS (MECHANICAL)

- Jigs and fixtures
- Specialist bench tools
- Engine lift cranes and support structures
- Special tool kits
- Miniature gear boxes

PRODUCTS (ELECTRONIC)

- Complete systems for testing various aircrafts on board data acquisition, flight control, auxiliary power, hydraulic and communication processes and functions



EH 101 Engine Hoist produced in close cooperation with Westland's design and development team



R.R. Eurofighter maintenance tooling



R.R. Eurofighter maintenance tooling



G.S.E. Tooling for Sea King Helicopter



R.R. Pegasus engine transport blanking cap



R.R. RB 199 Maintenance Tooling



Jigs, fixtures and tools for aircraft maintenance



Jet Engine maintenance lift and support fixtures

In the airline engineering business, experience is vital. Keyford is managed by skilled engineers with a background in aircraft maintenance and who have a detailed understanding of ground support equipment and of the quality control procedures that airline safety requires. We work closely with our customer's engineers to find the most cost-effective approach to manufacture and keep costs and delivery times to a minimum. Because we understand the problems of aircraft and engine maintenance, we can make a real contribution.

Keyford is versatile, and can understand and manufacture for a broad range of engineering requirements and support customer design engineers, providing aircraft maintenance organisations with a single source for virtually all their custom-designed and manufactured maintenance equipment.

TIGHT SCHEDULES

When a project is quoted, we specify the delivery time - and if the job and the circumstances stay the same, we stick to it. If any changes arise, we discuss them with our customer quickly and fully. Because Keyford know the aircraft fixtures business so well, we are usually able to offer the highest standards and the fastest delivery in the business.

LARGE DIAMETERS

An important factor to be considered when placing orders for jigs and fixtures is the machine capacity of the engineering supplier. Keyford is able to turn diameters of up to 62" (1575mm) as routine within the works.

WELDING & FABRICATION

Keyford employs Approved Coded Welders for ferrous metals, stainless steels and aluminium. Major fabrication projects undertaken include many items of hangar equipment.



Specialist tools for maintaining aircraft pneumatic systems



Test rig and tooling fixture for aircraft hydraulics



Jet Engine maintenance lift and support fixtures





Electronic Systems and Test Equipment

The electronic division of Keyford has specific knowledge of and expertise in products and systems for the Aerospace Industry.

Our own electronics design team can interpret the customers requirement, design the appropriate equipment and closely support and expertly advise the customer design engineers to help them design the appropriate equipment to meet that need and then manufacture it, either as a single unit or a limited run. Typical projects have included test sets for the intrascope inspection of aircraft engines, instruments to carry out status checks on hydraulic systems and test equipment for aircraft instrumentation, communications and power circuitry.

PRINTED CIRCUITS

A major activity of the electronics division is the close design support and advice given to customers in the development and quantity manufacture of printed circuit boards for almost any purpose.

The section has developed and manufactured printed circuits for everything from signal generators and oscilloscopes to washing machine controllers and PLCs.

The same high standards of engineering and quality control are applied to industrial circuit board manufacture as are employed in the building of aerospace systems.



Computer controlled insulation & continuity testing system for aircraft wiring



ACSR control consul for EH101 helicopter



Calibration & test station for aircraft series actuators



Yoghurt pot stacking & dispensing system



Main Frame Erca Yoghurt pot holder

Special Purpose Machinery & Assemblies

Keyford engineers provide customers with a complete service from assistance with design and project development through to the manufacture of sub-assemblies and complete machines. Industries served include the food processing, electrical and pharmaceutical sectors.



High Speed Pneumatic Yoghurt pot dispensing system



A PADS (UK) BROCHURE PRODUCTION 07000 133744

Approvals:



Rolls-Royce SABRe



Westland Helicopters • West of England Aerospace Forum



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