



**UNIVERSAL
ENGINEERING**
Company (Charlestown) Ltd

LOOMSHOP & ELECTRICAL DIVISION

WIRING LOOM ASSEMBLIES AND BRAIDING

Universal Engineering has wiring facilities in Weymouth offering a wide range of techniques and services.

With 15 years experience in the manufacture and repair of aircraft looms covering all aspects of assembly; cutting, positioning, forming, terminating and testing. We populate panels, racks, electromechanical hardware and manufacture bespoke loom assemblies.

Universal Engineering offer the following services:

- Complex Wiring Harness
- Aircraft Repair Cables
- Cable on Part Termination
- Bonding Leads
- Potted Connectors
- Instrument Panels
- Chassis Wiring
- Hydraulic Crimp Capabilities
- Hermetically Sealed Connectors
- Automated Pressure Testing
- Electrical Testing
- Automated Test Equipment

The Universal Engineering Braiding Facility offers:

- Nomex, Nylon & Tin/Nickel Copper Wire
- 16 and 24 Bobbin Machines
- Diameters from 2mm to 20mm
- Complex Multi Breakout Looms

This service is also offered as a subcontract facility.



ENGINEERING INNOVATION

UNIVERSAL ENGINEERING LTD

18 Cumberland Drive | Granby Industrial Estate Weymouth
Dorset | DT4 9TD | United Kingdom

Tel: 01305-783525

www.universal-eng.com





**UNIVERSAL
ENGINEERING**
Company (Charlestown) Ltd

LOOMSHOP & ELECTRICAL DIVISION
**PRINTED ELECTRONIC
CIRCUIT ASSEMBLY**

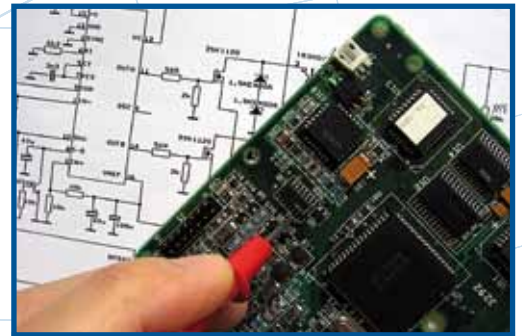
Universal Engineering has a high level electronics division situated in Weymouth. We are able to offer complete solutions for Printed Circuit Board Assembly (PCB Assembly), utilising the latest technology in both manufacture and test.

All of our PCB assembly employees have attended intensive in-house training including Electro Static Discharge Awareness and Handling Procedures.

Universal Engineering is approved to BS EN ISO 9001:2000 – AS9100 and is part of the 21st Century Supply Chain.

Universal Engineering offer the following PCB assembly services:

- PCB Assemblies (SMT & Conventional)
- Flexible, fast change over capability for low volume, high mix PCB assembly
- Clean (Aqueous & Solvent) and No Clean processes
- Contamination Tested
- Functional test solutions using ATE and special to type testing fixtures
- Conformal Coating (Dip, Spray and Hand application)
- Conformal Coating Inspection with Ultraviolet Lamp
- Electro Static Discharge Protective Area



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