

## Electronic Assembly and Repair / Test Technician

Technical Concepts Ltd is a small company that designs and manufactures specialist mission critical products for the motion film industry and mining and quarrying industries.

We are now looking to recruit a new full time team member to work in the Whitefield area of Manchester. We need a motivated and hardworking technician, who already possesses and can demonstrate a high level of technical skill and quality focus.

We offer a competitive salary and a flexible approach to working hours in a supportive and friendly working environment.

If you would like to apply for the role, please send your CV and covering letter to [info@technicalconcepts.org.uk](mailto:info@technicalconcepts.org.uk) outlining your experience and skills in relation to the job description and person specification below.

### Person Specification:

- Excellent organisational skills
- Able to work on own initiative and at a fast pace
- Highly dextrous and with a keen eye for detail
- Excellent work ethics: punctual, trustworthy, enthusiastic and willing to learn and provide input to production process
- Able to be quality focused at all times
- Have a relevant NVQ Level 4 qualification (HNC) in production / electronic engineering or equivalent time served experience
- A recent electronics degree engineering graduate with hands on project experience would be considered

### Job Description:

#### Basic Skills:

- Read circuit diagrams
- Understanding parts lists and engineering drawings
- Be able to identify electronics parts
- Be able to use test equipment and do test procedures using equipment such as PSU's, DMM's and oscilloscopes
- IT literate
- Flashing of microcontrollers
- Fault find to component level

#### PCB Assembly and Soldering Skills:

- Manual placing and soldering conventional through hole components to PCBs
- Manual placing and soldering of SMD components, including sizes down to 0603, 0.5mm pitch IC's
- Soldering wires
- PCB re-work using soldering irons and hot air solder station
- Knowledge of pick and place SMD machines, using simple stencil paste techniques and reflow ovens would be an advantage

#### Electro Mechanical Skills:

- Mechanical assembly using screws, nuts, washers, assembling panels, PCB pillars, spacers etc
- Electrical assembly using crimping tools, wire strippers, tinning, heat shrinking, hot air guns etc
- Electrical assembly and mounting of switches, battery boxes, LED Indicators, connectors etc
- Be able to use standard hand tools to carry out the full production process
- Use workshop equipment such as drill presses, mitre saws etc...
- Knowledge of using a desktop CNC router and 3D printer would be an advantage

#### Desirable Skills (but not essential):

- Some knowledge of electronics related CAD
- Some basic electronic design skills
- Microcontroller software writing in C and assemble
- Ability to build a circuit on veroboard from a circuit diagram

**General Duties:**

- Packing and preparing products for dispatch
- Tidying the workplace
- Checking and receiving goods
- Stock taking
- Kitting up parts for production
- Light to medium lifting
- Any other duties required to carry out normal business activities

**Benefits:**

- Hours of work – 40 hours / week
- Salary £22,000 to £25,000 depending on experience
- Flexible working hours available on agreement, with standard working day being 08:00 to 16:00
- Half an hour for lunch break
- 20 days holiday + bank holidays
- Free tea / coffee / mineral water provided
- The possibility of becoming a key member of the company with potential share options for the right candidates

**Additional information:**

- This position is not suitable for a person who has allergies to materials such as glue, resins, oils, grease, cleaning fluids, solder, fluxes and the like
- A CRB/DBS check will be carried out prior to confirmation of employment
- A military security check (National Security Vetting Solution) may also be required
- If an interview is offered, part of the interviewing process will be a practical based on assembly of a product
- Probation period (6 months)