



Technical Services Engineer (Component Repair – Process Engineer for Welding/Heat Treat/Brazing)

Successful candidates can look forward to working in the forefront of next generation factory with exciting new opportunities to work on innovative repairs for next generation aero gas turbine engines with state of the art automation and digital platform.

Job Description

- Analytical lead for repair process related technical support in all aspect of source, non-source controlled repair development processes and process investigations
- Take charge of repair process control analysis, such as PFMEA, Control Plan, etc
- Provide technical troubleshoot efforts, optimization and debottlenecking studies, review and explain data generated within reason, and work cross functionally to deliver sound solutions
- Interface with Rolls-Royce and other OEM to identify improvement opportunities, provide guidance on success factors and research and development efforts
- Responsible course of action when critical instruments, system, or processes are found to be out of specification
- Provide any technical support required in internal, regulatory and airlines audits, NADCAP processing, ISO18001, ISO14001, etc
- Review any updated engine manual / overhaul processes/ standard practice manual revision and ensure that relevant documents are updated
- Develop process parameters, acquire new equipment and capability, develop new work instruction, datacards, SOP and repair processes required for the repairs
- To generate, maintain and update the process datacards, process parameters required for the repair processes
- Lead the design and fabrication of OEM and non-OEM tooling/fixtures/inspection gages required for the existing process
- Conduct FAIRs/ FPA/ MSA/ Production Readiness required for improvement/ changes to existing/ new repairs

Requirements:

- Minimum a Degree in Materials/ Manufacturing / Mechanical/ Aerospace Engineering
- Good knowledge of material and component repair processes such as Welding, Heat Treatment and Brazing would be an advantage

- Other knowledge of repair process (eg. Shot peening, IVA, Painting, Vibropolishing etc.) would also be considered
- Possess good communication, analytical, engineering and project management skills
- Good technical problem-solving skills (Six Sigma), takes ownership and hands-on approach
- Ideally 3 years' experience in a similar capacity in the aviation industry/ experienced engineers (from non-aviation industry) in relevant repair processes are welcome

(Only shortlisted candidates will be notified)