



Collins Aerospace

Senior / Lead R&D Manufacturing Engineer - Banbury

Collins Aerospace is a leader in technologically advanced and intelligent solutions for the global aerospace and defence industry. Created in 2018 by bringing together Rockwell Collins and UTC Aerospace Systems, Collins Aerospace has the capabilities, comprehensive portfolio and expertise to solve customers' toughest challenges and to meet the demands of a rapidly evolving global market.

The high quality products we design, test and produce in our Mechanical Systems help millions of passengers reach their destinations safely – every day! From landing systems and actuation to propellers, flight controls and hoist and winch – the products we manufacture work together behind the scenes to enhance the overall flight experience. We delight our customers with superior products and best-in-class service. Our global team is committed to continuous improvement – we work hard to make our solutions lighter-weight, stronger and more technically advanced, so that plane travel can be safer, more affordable and more sustainable in the years to come. We are looking for the best and brightest to fly and land with us!

Collins Aerospace makes modern flight possible. Of course, that wouldn't be possible without the capabilities and technologies of our organization, as well as our engineers – a highly skilled, accomplished network that spans more than 180 sites, 24 countries and 6 Strategic Business Units (SBUs).

Our industry-leading experts are setting the standards for the aerospace industry and paving the way for the future. But as new challenges present themselves, we need fresh, creative and motivated minds to overcome these hurdles, help us break barriers and achieve new levels of innovation. Do you have what it takes to join a global, diverse organization that doesn't shy away from big opportunities? If so, we invite you to join our ranks and create the next generation of aerospace technologies.

Together, we will nurture an engineering culture that values intellectual curiosity, risk takers and integrity. A place where we will challenge ourselves, our teams, and the status quo and where we will work to find a way – the right way – to achieve what others can only dream of.

In this exciting role, as a Research and Development Engineer – Manufacturing you will be fundamental to the development of new composite products and processes in a highly challenging and fast-paced environment. You will bring new products to our customers helping to move the world forward. The role is critical to delivering technology and manufacturing readiness to support the strategic growth timing. It offers the engineer the opportunity to learn and develop cutting edge composite manufacturing techniques and impact design solutions that will be deployed on existing and future aircraft platforms.

In this role you will:

- Be fundamental in the manufacture of novel structural composite components

- Lead a small team to deliver Manufacturing Readiness Level (MRL) progression for key composite material projects
- Identify, design and develop suitable processes for the manufacture of low cost/high volume aerospace components in a highly automated production environment
- Specify, source, install and commission multi-million pound CAPEX equipment working with internal and external suppliers
- Review and approve development engineering drawings with a manufacturing bias
- As appropriate create detailed CAD models and drawings for parts and tooling
- Design, execute and analyse testing to identify key process parameters and optimise to meet process output requirements
- Provide reports and documentation necessary to demonstrate product technology and manufacturing progression
- Be responsible to create and track project plans related to MRL progressions
- Ensure projects are delivered in accordance with key milestones dates, customer deliverables and within budget
- Effectively and clearly communicate with Management quickly identifying risks, delays or deviations from allocated budget

You will bring to the role:

- Outstanding technical and project delivery combined with confidence to lead a small team of engineers
- Significant experience in the design and development of manufacturing processes from a low manufacturing readiness level, ideally with a strong bias towards composite processing technology (e.g. towpreg, prepreg, filament winding, braiding, RTM, AFP)
- Significant experience in the specification and commissioning of manufacturing equipment
- High level of self- motivation, drive and focus on results with a concern for accuracy, you will be resilient acting in a tenacious way when required
- Significant experience in Mechanical Engineering or similar, with a strong manufacturing bias in industries such as Automotive or Aerospace (bachelor's degree preferable).
- Ability to analyse and solve new engineering problems using first principles
- You will be a confident and compelling speaker who can build strong working relationships working as part of a team or independently
- You will enjoy multitasking whilst being organised & structured
- You will be comfortable working in a fast paced research environment and be able to react to change quickly and effectively
- You will be willing to take hands-on approach to developing components, manufacturing processes and testing methods
- You will fit our dynamic and enthusiastic culture and be flexible with working hours

As part of the legal requirement to comply with international trade controls, we require all candidates to successfully complete a Baseline Personnel Security Standard (BPSS) check including criminal record checks. In addition we will check the identity of all employees against various government denied party lists prior to making a formal offer of employment.

To apply for this role please click on the following link:
<https://jobs.utcaerospacesystems.com/>