



NeoCoil, LLC is a leader in MRI coils and imaging accessories designed for better patient comfort and experience. Our focus, through innovation and precision, is to engineer and manufacture the highest quality coils and accessories for the medical industry. We are seeking an experienced **RF Engineer** to join our team.

In this role you will assume technical leadership for the development of new RF coils. This individual must exhibit a high level of initiative, as well as demonstrate the ability to work independently to develop technical solutions to complex problems that require ingenuity and creativity. This position has design responsibility to deliver customer workflow, feature functionality, product quality, reliability, serviceability, manufacturability, and regulatory.

**Primary Responsibilities:**

- Interface with marketing and clinical specialists in the development of user and system requirements for new product offerings.
- Translate voice of the customer feedback into new product concepts and prototypes.
- Design and develop new RF coil products and support RF architecture including electrical boards, circuits, components, and interconnects.
- Develop methods to solve any safety and efficacy improvements of new RF coil products through design of experiments
- Develop interfaces between products and MR scanners for customers.
- Test products on MR scanners and develop methods to quantify MR scanner system and subsystem interactions and their effects on image quality and coil performance.
- Interface with sourcing in the selection of suppliers for new product offerings.
- Collaborate in the development and execution of verification and validation procedures, testing, and review.
- Execute product design, planning and development while adhering to timelines and product cost targets.
- Interface with manufacturing and service teams to ensure successful design transfer.
- Must be able to work independently and possess a level of functional expertise necessary to influence and execute technical and project delivery execution.
- Document elements of the design consistent with company's quality system, including requirements, specifications, plans, reviews, test procedures and test reports.
- Collaborate with peer engineering teams, scientists, application specialists, manufacturing, suppliers and customers to drive RF designs and devices across all phases of the engineering development cycle.
- Guide the work of technicians and testers in the development and qualification of new products.

**Required Experience and Qualifications:**

- Masters' Degree and 3 + years of experience in RF coil circuit or antenna design and development, electro-magnetic field theory, and simulation tools.
- Hands on Experience developing RF coils and other medical device products in an MR environment.
- Experience establishing and carrying out the design of experiments to solve problems and identify quick and cost effective solutions.
- Hands-on prototyping and troubleshooting experience in a lab environment.
- Demonstrated ability to make recommendations to technical and program leadership to improve the product, process or technology.
- Demonstrated supplier and manufacturing interface skills, along with strong documentation, communications and teamwork skills.
- Ability to meet aggressive reliability, performance, cost, serviceability and delivery targets.
- Must be detail-oriented and able to organize and manage multiple priorities, takes initiative and ownership of assigned tasks.

**Desired Experience and Skills:**

- Understanding of MR physics, pulse sequences, and RF heating.
- Familiarity with tuning RF circuits including match circuits, phase shift circuits, resonant circuits, and pre-amplifiers.
- Familiarity with lab tools such as network analyzer, spectrum analyzer, oscilloscope, etc.
- Hands-on experience with MR scanner or NMR spectrometer.

**Core Competencies:**

- **Adaptability/Flexibility** - Flexible style, receptive to change, changes approach or method to best fit the situation, adjusts with ease, manages competing demands.
- **Collaboration/Consulting** - Enlists active participation of others to solve problems. Works collaboratively to develop possible solutions and provide guidance to others in analyzing and solving problems.
- **Initiative** - Asks for and offers help when needed. Looks for and takes advantage of opportunities, undertakes self-development activities without being asked. Meets challenges with resourcefulness.
- **Personal Accountability/Professionalism** - Accepts responsibility for own actions including failure. Embraces experience as learning opportunities and not blaming, reacts well under pressure, treats others with respect.

**Physical demands:** While performing duties of job, employee is occasionally required to sit, stand; walk; use hands to finger, handle; reach with hands and arms; type, balance; stoop; talk and hear. Employee must occasionally lift and/or move up to 40 pounds. Specific vision abilities required by the job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.

If you are interested in joining a growing organization with a vision for the future, please send us your resume. We are a fast-paced work environment, offering competitive compensation, family-friendly benefits and so much more. Please visit [www.neocoil.com](http://www.neocoil.com) for more information. Interested applicants should submit a cover letter and resume, including salary requirements, to Liz Sielaff  
Liz.Sielaff@neocoil.com

*NeoCoil LLC is committed to a policy of equal employment opportunity. The Company conducts all employment practices without regard to race, sex, color, religion, national origin, age, disability, protected veteran's status, sexual orientation or any other basis prohibited by law. NeoCoil participates in E-Verify.*