



Douglas Scientific is now recruiting for: Engineering Technician I or II

Douglas Scientific is a biotech company owned by Douglas Machine Inc. in Alexandria, MN. The company is a global leader in ultra high throughput laboratory automation based upon a patented Array Tape™ technology. Douglas Scientific is growing rapidly and is currently accepting applications for Engineering Technicians. For more company information, please visit www.douglascientific.com.

Engineering Technician - Position Summary:

The Engineering Technician position is a multifunction role design to support the assembly and testing needs of the engineering teams and help to design prototype equipment. This position interacts frequently with other internal professionals across engineering, manufacturing, and service. The technician may also interact with external customers and suppliers on routine technical issues as required.

Engineering Technician - Position Responsibilities:

- New Product Development: To provide assistance to the engineering team in the area of designing prototypes.
- Engineering Assembly: To provide assembly assistance to the engineering team in the areas of:
 - Hardware Assembly
 - Mechanical assembly of production test modules and attachments
 - Mechanical assembly of prototype modules and attachments
 - Assist in development of mechanical drawings
 - Electrical Assembly
 - Electrical assembly of production test modules and attachments
 - Electrical assembly of prototype modules and attachments
 - Assist in development and verification of electrical schematics
- Software and Instrumentation Setup and Operation: To operate instrumentation to validate hardware and software, areas included:
 - Software and Instrument Testing
 - Run instruments for hardware validation
 - Perform documentation and analysis based on engineering requirements
 - Run instruments for software validation
 - Perform documentation and analysis based on engineering requirements
 - Software Setup
 - Program and configure controllers for operation for the following platforms: Beckhoff, Rockwell, Siemens, GE, and Yaskawa

- (Program test bench operation – if skills allow)
 - PLC programming
 - Auto Cad Electrical
 - Solid Works
 - Languages including the following: IEC 61131 family, Ladder Logic, Sequential Function Charts, and Structured Text.
- Test and Verification Setup, Operation, and Documentation: To operate and test instrumentation to verify hardware and software, areas included:
 - Test and Verification
 - Run test protocols and document tests based on engineering requirements
 - Perform and document validation work on instruments based on engineering requirements
 - Documentation Control
 - Assist with proper design documentation, including Corrective Action Reports (CAR) and Engineering Change Order (ECO) reports
 - Assist with proper test and validation documentation

Engineering Technician - Knowledge and Skills Requirements:

Technical degree, in the area of instrumentation and mechatronics, and at least one year experience in technician level assembly and programming or high school diploma/GED and a minimum of three years of demonstrated work experience in a related field.

Electrical assembly and test aptitude including the following:

- Previous experience/knowledge of electrical measuring and diagnostics equipment including: Multimeters, Relay logic, Network testers, Oscilloscopes, High-speed camera, and Barcode readers
- Some knowledge of common network protocols including: RS-232RS-485, CAN-based protocols, Ethernet, Ether CAT
- Use of common tools such as: Solders, Crimpers, and Cable prep and connections
- Knowledge of DC and C (120-240) single-phase and three-phase circuits

Apply Today!

Douglas Scientific offers competitive compensation and an excellent benefits package that includes an Employee Stock Ownership Plan (ESOP), 401(k) match, medical, dental, life and disability insurance, along with holiday pay and paid time off.

To apply, e-mail resume and cover letter to Human Resources at: HireMe@DouglasScientific.com.