Job Description: Electronics Production/Test Technician
Satellite Telecommunications Equipment

Requirements: Minimum, Associates Degree in Electronics Technology, or on the academic path for the degree. Experience helpful but not mandatory.

Please apply with resume, cover letter, and list of references to the address or FAX number above or to: jobs@researchconcepts.com.

Principal responsibilities of the successful candidate will be (in order of importance, not necessarily time spent):

Production Test
1) Follow established, written procedures for testing the satellite telecommunications product. Products are burned in and extensively tested to verify proper operation. This position uses Digital Voltmeters and simple hand tools, primarily.

2) Documentation and description of problems encountered during the testing so that improvements can be implemented in the procedures. Note-taking skills are critical here.

Production Assembly
1) In-House Assembly of products using schematics and assembly procedures. The product is small (<20lbs) and consists of an embedded computer system and ancillary drive circuitry.

2) Documentation and description of problems encountered during the assembly so that improvements can be implemented in the procedures. Note-taking skills are critical here.

Research Concepts, Inc. (RCI) is an electrical engineering firm specializing in the design, development, and production of microprocessor based equipment for the satellite communications and agriculture markets. RCI was founded in 1985 in Lexington, Kentucky and moved to Lenexa KS in 1986. RCI has 18 employees and logs sales of approximately $3M per year. RCI markets a line of satellite antenna tracking systems under the RCI label. These products are sold both in the domestic and international markets.

RCI uses ARM devices, Intel 8096, and 80196 microcontroller chips, along with various RAM, EPROM and microprocessor support chips. Discreet logic is implemented in various types of programmable logic. Analog electronics include DC power control through the use of electromechanical relays, bipolar transistors, and MOSFET devices, both individually and in "H-Bridge" configurations. AC power is controlled with solid-state relays and individual TRIAC devices. We also work with a variety of Analog and RF circuitry.

As a small business in the electronics industry, we find great advantage in our ability to move quickly, responding to market opportunities well before larger firms. This philosophy is exemplified by our employees’ ability to adapt to new products and challenges. We are able to see the results of our efforts every day. Every employee is a significant contributor to our success. RCI provides competitive compensation and an available medical plan. At RCI, we believe our most important asset is our people.