



## Position: Sr. Custom Machine Assembler / Assistant manager

Farris Automated Systems LLC is a supplier of custom automated assembly equipment for the automotive, heavy industrial, and general manufacturing industries. We offer complete turnkey systems from concept to installation. Farris Automated Systems employs engineers, machinists and assemblers in Mukwonago, WI. See our website at [www.farrisautomation.com](http://www.farrisautomation.com) for more details.

### Job Description:

This job will have two major responsibilities

Advanced mechanical assembly of custom automated equipment. This will require you to evaluate drawings to assemble machines with over 1,000 parts from scratch. Components will include machined parts, cylinders, hydraulics, sensors, bearings, linear rails, motors and gearboxes. Some machine will fit on a desktop while others will be over 30 feet long. You will be provided guidance on how the machine works, what the important assemblies will be and the level of quality required. After the machines are fully assembled, programmed and tested, you will decommission and crate up the machine for shipping to the customer.

Assistant Shop manager will help focus other coworkers on their tasks, manage material in the machine shop, order shop supplies and coordinate other projects that the Operations Manager needs.

### Requirements:

- Three years of hands on experience assembling industrial equipment
- Knowledge of hand and machining tools
- Ability to lift heavy objects (50 lbs)
- Knowledge of gear and bearing installation, precision alignment
- Reading of assembly drawings and detailed machining prints
- Mechanically intuitive
- Less than 2 jobs in the last 5 years.

Ideal candidate will have 3 or more of these skills:

- Knowledge of electrical assembly and panels
- Manual machining using Bridgeport, lathes or welding
- Rigging, crating and fork truck knowledge
- Shipping and receiving
- Ability to travel to customer sites for 1-4 days to install machines
- Management other coworkers and small projects.

## Standard work week

The job will be non-repetitive in nature with multiple disciplines in machining, welding, assembling and wiring of custom automated equipment.

40% Assembly of mechanical machines

20% Debugging and fixing equipment

20% General shop and project management

10% Wiring of electrical panels

10% On-site installations, shop management, receiving, shipping, misc.

### Travel:

Travel to customer sites will be required for some jobs.

Travel is generally in the US, but some overseas travel may be required

Trips can range from 1 day to 2 weeks with advanced notice

Some weekend work will be required.

### Benefits:

- 2 weeks vacation, + holidays, + Flex Hours, comp time
- Job training on new technologies for current applications
- 401k, Health insurance, Life Insurance, Dental and Vision
- Relocation package available.
- Flexible work hours to fit family needs
- Some jobs can be work from office/home
- Positive work environment in a small company (25-30 employees)
- Being part of a growing company & industry

### Interview Questions:

1. What are the steps to create a tapped hole? (Drill, Tap with oil, chamfer)
2. What tool do you use to tighten a hex bolt? (Wrench or socket)
3. How high are forks from the ground when driving? (3-6" above the ground)
4. How would you fix a shaft that does not fit into a bearing? (Turn down the shaft's diameter).
5. What is the difference between an Assembly Drawing and a Detailed Drawing?  
(Assembly drawings show you how things go together, Detailed drawings show how to machine the part or show the purchased information)