

# Evolution Robotics

## Employment Opportunity Profile

Building 6, 2601 Xie Tu Road, Suite 258 • Shanghai China •

### **Manufacturing Engineer**

Evolution Robotics Shanghai Representative Office (Preparatory)  
**Shanghai, China**

Position Summary as of Oct 1, 2008

**Title:** Manufacturing Engineer  
**Reports to:** VP of Manufacturing

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#### **The Company:**

Evolution Robotics, Inc. is a robotics company that is developing break-through technologies that are revolutionizing robotics for the mass market. The recent convergence of low-cost mobile computing, wireless communication, and sensing technologies has not only made the development of mobile robotic products possible, but also economical for mainstream usage. Evolution Robotics develops breakthrough solutions for making machines sense and act autonomously. We partner with consumer electronics companies to augment the capabilities of their products, such as the Sony AIBO(r) dog or the WowWee Rovio tele-presence robot, or create entire new robotic products such as the eVac robotic vacuum cleaner from Sharper Image.

Evolution is a recognized leader in the industrial and the academic communities. The company has assembled a world-class management team composed of leading robotics experts and consumer products business leaders to make the company's vision of providing useful robots at affordable prices a reality.

The Evolution Robotics team operates in a highly dynamic and very collaborative environment where the flow of ideas is encouraged from all parts of the team. The team of extremely talented engineers and scientists at Evolution has created a unique and highly stimulating and fun work environment. This team challenges the status quo in technology and pushes the envelope on what may seem impossible.

Evolution Robotics is an operating company of Idea lab!, a technology incubator known for having started many successful companies including Overture and CitySearch. We are located in the beautiful and sunny Pasadena, in Southern California. Hosting scientific institutions like the California Institute of Technology and the Jet Propulsion Lab, and national events like the annual Tournament of Roses, the city is considered the main cultural center of the San Gabriel Valley.

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#### **Position Purpose:**

Company is rapidly growing and expanding our presence in China. We are currently looking for candidates that have outstanding adaptability, entrepreneurial skills, technical know-how and that are willing to contribute to a young team environment that is conducive to innovation and progress for Evolution Robotics Shanghai Representative Office. Main duties are as following:

1. Coordinate with CM and ER USA to improve the manufacturability in order to simplify the manufacturing process, improve the yield and lower down the cost.
2. Develop and maintain the ER product manufacturing process flowchart
3. Manage the ER product test protocol and default parameter set at CM and Customer in Asia
4. Define the Engineering test plan and production test plan for Asia CMs

5. Lead test platform new feature development requirement and specification. Interface with the tool development team in USA to ensure testability and data integrity in production at CMs.
  6. Managing the engineering Order required for CM and the testing
  7. Summarize the engineering test result for design team
  8. Develop and maintain the ER product testing procedures and test specifications.
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**Requirements:**

- 6+ years minimum in design or manufacture engineering of electronics modules for consumer electronics, manufacturing line experience is required.
- On hands experience with SMT, COB, ICT, IPT and FCT method, process and techniques
- Familiar with mechanical assembly design tools and Proven or ability on failure analysis and trouble shooting.
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- Verifiable background concerned with test data collection and analysis
- Experience with the coordination of internal and external resources.
- Strong testing and analysis metrology knowledge (electrically, mechanically, optically and thermally).
- Strong project management experience.
- Must have a bachelor degree or above in Electrical Engineering or equivalent. Master Degree preferable.
- Minimum 3+ years in foreign invested company work experience or has equivalent North American working experience (including study for master or bachelor degree).

**Nice to have:**

- Knowledge with Robotics or home automation
- VB, C++ programming experience
- SQL Database experience

**Assets:**

- Self-starter that requires only an idea of overall strategic plan and can then tactically execute to expeditious completion
- Strong written and verbal communication skills
- Confident "do what-ever it takes" mentality

**Language:**

Fluently in Chinese and English both speaking, reading and writing

**Location:**

Shanghai, China

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**INTERESTED CANDIDATES SHOULD SUBMIT THEIR RESUME AND SALARY HISTORY**

**TO:** [careers@evolution.com](mailto:careers@evolution.com)

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NOTE: This is a local hiring position