

## **1. Mechanical Engineer**

Location: Shanghai

ABB is a global leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. ABB operates in more than 100 countries and employs about 117,000 people.

ABB Corporate Research, in close collaboration with varied ABB business areas, is developing the foundations for the next generation of ABB products. In China, ABB Corporate Research is located in Beijing and Shanghai. Beijing research departments are focusing on power system and power technology, while Shanghai research department is focusing on robotics technology.

### ***Fields of Work:***

We are looking for an Engineer with sound experiences in robot and mechatronic component modeling. You have done research in these fields and have gained deep experiences in modeling robot motion or robot components like gears, motors, bearings etc. These experiences made you rethink about robot design technologies and created new ideas and concepts that you are willing to investigate more in details. As a member of Corporate Research you will execute such industrial robotics research projects either as a team member or project manager to help turning them into innovative products. You will work in close cooperation with the local robotics department as well as with other research teams in Sweden, Germany and the US to synchronize your work.

### ***Job Responsibilities:***

Independently perform R&D work for supporting the robotics business units  
Apply and develop modeling technologies for robot components and engineering technologies for robot applications  
Design and setup of lab test beds for experimental practical work  
Technology Surveys and Pre-studies  
Write technical reports and articles/papers in English  
Support other development projects and ABB business support projects  
Project management

### ***Job Requirements:***

MSc. with experience or PhD in mechanical engineering  
Solid background in robotics (robot design experiences preferred)  
Knowledge on modeling mechanical components (gearbox knowledge preferred)  
Analytical, open minded for new solutions, creative and business oriented thinking  
Likes difficult tasks and challenges for solving technical problems; self motivated to learn and to investigate into new things  
Very Good command of written & spoken English  
Good communication and presentation skills  
Team player with high level of initiative for global cooperation and knowledge-sharing

Please send your CV to: [cncrc.recruiting@cn.abb.com](mailto:cncrc.recruiting@cn.abb.com) 并且标明简历来源的渠道。

## **2. Experienced Robotics Automation Engineer**

Location: Shanghai

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### ***Fields of Work:***

We are looking for an Electrical Engineer with sound hands-on experiences in robot application. You have executed projects for engineering and commissioning new robot production lines or have been on site as a field engineer. These hands-on experiences should have made you rethink robot technology and have brought up new ideas and concepts that you are willing to investigate more in details. As a member of Corporate Research you will execute such industrial robotics research projects either as a team member or project manager to help turning them into innovative products. You will work in close cooperation with the local robotics department as well as with other research teams in Sweden, Germany and the US to synchronize your work.

### ***Main Accountabilities & Responsibilities:***

Independently perform and support R&D work in the field of discrete automation to support robotics business units

Testing and experimental practical work, like setting-up lab tests and perform tests

Develop international network and cooperation with ABB companies and external partners

### ***Knowledge, Skills and Experience Requirements***

Sound background knowledge in discrete automation including robots, PLCs, drives and their engineering tools

MSc with at least three year of work experience in the field of robot applications

Analytical, open minded for new solutions, creative and action oriented

Business oriented and strategic thinking

Likes difficult tasks and challenges, interested to learn new things

Very Good written and oral English

Good communication and presentation skills

Team player with high level of initiative and pragmatic approach

Genuine interest in solving technical problems

Interested in global cooperation and knowledge-sharing

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### **3. Mechatronic Engineer for lab setups**

Location: Shanghai

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#### ***Fields of Work:***

We are looking for a Mechatronic Engineer to turn our concepts into proven results by independently set up and run test beds in our labs. As part of our project teams you will be responsible for the design, purchasing and onsite assembly of test beds as well as the execution of test series according to projects needs. This requires a high sense of creativity and will-to-achieve as well as a commitment to high quality to get solid results. You need to have experiences in working with CAD tools for designing electrical installations and mechanical setups and will to learn new things. You can expect interesting and challenging tasks that are limited by available technology only and make you think below the limits.

#### ***Main Accountabilities & Responsibilities:***

Electrically and mechanically design and set up of test beds to support R&D work in the field of discrete automation

Testing and experimental practical work by independently executing tests in lab

Develop international network and cooperation with ABB companies and external partners

#### ***Knowledge, Skills and Experience Requirements***

MSc in mechatronic engineering

Experiences in designing electrical and mechanical automation solutions

Solidworks or similar 3d mechanical CAD software

Eplan or similar electrical CAD software

Technically delft for setting up mechanical and electrical installations onsite

Analytical, open minded for new solutions, creative and action oriented

Likes difficult tasks and challenges, open minded to learn new things

Good English skills in written and oral

Team player with high level of initiative and pragmatic approach

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