

Mechanical engineer (m/f)

CQ international – CQ Asia

Studio CQ in Guangzhou is the representative office of Studio CQ in Netherlands. We are an international operating company who are specialized in industrial product design and engineering. Most of the conceptual designs are made in Netherlands. Engineering, communication with manufacturers and quality control is done by the Local Chinese team. We work with/for Chinese manufacturers for over 10 years and expect to become one of the biggest foreign design agencies in Guangdong province.

Job Description:

For the office in Guangzhou we are looking for somebody who can manage the process of mechanical engineering and implementation of a new design within the production process. In the beginning of the process you'll be responsible for the mechanical engineering of a new product. You'll be sourcing the right (electrical or mechanical) components and will be in charge of testing the configuration that you design. In some of the cases you'll have direct communication with manufacturers or sub-suppliers.

You are excellent in 3D software. You know how to draw parts, housings, components and connections. You have the ability to make complex assemblies and know how to draw double curved surfaces. During the development you'll look for alternatives and different solutions to create a feasible and cost effective design. You not only have knowledge of different production, decoration and assembly techniques (injection molding, metal stamping, pad printing, anodizing, friction welding, etc) but also know different materials and their typical specifications (plastics, rubbers, metals, etc). You have the skills to make reports (in English) and presentation of your work and findings.

You'll be responsible for the implementation of the design/product in to production. You'll make sure that the assembly of the product is done in an efficient, reliable and cost effective way. You'll have direct contact with production manager(s) to control the production and optimize the process if needed. On a regular base you'll do on-the-spot quality control to make sure that the output is consistent.

On regular base you'll brief and work together with an international team of designers, engineers and project managers

Activities:

- Translating conceptual designs into a mechanical engineered 3D model
- Generates 3D drawings of existing components or products
- Document BOM for different kind of products
- Preparing and documenting cost price calculations and evaluates the optimal price/quality combination
- Prepare and consider test methods to evaluate the feasibility of your designs and solutions
- Test and documents sample components, prototypes and (pre)production runs
- Learns and evaluates testing, approval and certification procedures for different kind of products for different kind of markets (UL, CE, Etc)
- Visit manufacturers and sub suppliers. Approves in-process production by confirming specifications, conducting visual and measurement tests.
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- Analysis inspection results and evaluating re-work and waste ratio and optimize the processing
- Report in English to senior engineer and project manager

Technical experience:

- You have experience with 2D and especially 3D software (preferable Solid Works) draw and evaluate technical parts, housings, components, connections and complex assemblies
- Realization of feasible and cost effective designs.
- Knowledge different production, decoration and assembly techniques such as: injection molding, metal stamping, pad printing, anodizing, friction welding, etc
- Knowledge about different materials and their typical specifications such as: plastics, rubbers, metals, ceramics, glass, etc.
- Experience with electrical engineering and testing is a pre.

Requirements:

1. College or above degree in engineering or design
2. Over 3 years experience of mechanical engineering and/or quality control management with different kind of product groups (consumer electronics, household appliances, furniture)
3. Good English skills, oral and in writing.
4. You have an interest and capabilities to do the mechanical engineering of different kind of products
5. Knowledge of production, assembly techniques
6. Experience with testing procedures and prototyping
7. Knowledge of different material and their characteristics
8. Strong communication skills and problem solving ability.
9. Willingly to do individual travel and do factory visits and/or audits.
10. Is prepared to work hard at flexible times
11. Over 5 years experience with the following computer programs:
 - a. At least one of these 3D programs:
 - i. Solidworks (preference)
 - ii. Pro-E
 - iii. UG
 - iv. Catia
 - b. Microsoft office (excel, word, outlook and powerpoint)
 - c. DTP software:
 - i. Photoshop
12. Optional software:
 - a. Coreldraw
 - b. Indesign
 - c. Illustrator
 - d. Rendering programs like 3D studio Max, Photoview or others

If you are interested please send your CV with motivation, in English, to:

WORKING@CQ-INT.COM

Attn Mr. Matthijs Pot