



## PR/160539 | SENIOR PROCESS ENGINEER (HEAT TREATMENT FOR METAL COMPONENTS) – BASED IN JOHOR

### Job Information

**Recruiter**

JAC Recruitment Malaysia

**Job ID**

1599296

**Industry**

Other (Manufacturing)

**Job Type**

Permanent Full-time

**Location**

Malaysia

**Salary**

Negotiable, based on experience

**Refreshed**

June 26th, 2026 11:13

### General Requirements

**Minimum Experience Level**

Over 3 years

**Career Level**

Mid Career

**Minimum English Level**

Fluent

**Minimum Japanese Level**

None

**Minimum Education Level**

Associate Degree/Diploma

**Visa Status**

No permission to work in Japan required

### Job Description

#### COMPANY OVERVIEW

Our Client is a leading manufacturer of precision-engineered components, providing end-to-end solutions for global regions across Singapore, Malaysia, China, Thailand, Vietnam, India, Japan, and North America.

#### JOB RESPONSIBILITIES

- Develop and optimize heat treatment processes (annealing, quenching, tempering, carburizing, nitriding) to meet product specifications and quality standards.
- Collaborate cross-functionally with R&D, production, and quality teams to implement new technologies and validate processes through trials and metallurgical analysis.
- Establish and control process parameters, including documentation of process flow, control plans, and work instructions.

- Create and standardize operating instructions for furnace operations, material handling, quenching, and cooling to ensure consistency and repeatability.
- Lead PFMEA activities to identify process risks, implement mitigation actions, and continuously update risk assessments based on feedback and audits.
- Ensure safety and regulatory compliance by enforcing protocols, conducting audits, and training personnel in safe heat treatment practices.
- Oversee equipment maintenance and reliability, including preventive/predictive maintenance, calibration, troubleshooting, and repair coordination.
- Drive continuous improvement initiatives to enhance process efficiency, product quality, equipment uptime, and operational excellence.

## JOB REQUIREMENTS

- Bachelor's degree in Metallurgy, Materials Science, Mechanical Engineering, or related field.
- Strong knowledge of heat treatment processes and metallurgical principles.
- Experience with PFMEA, process control, and quality management systems.
- Familiarity with safety standards (OSHA, ISO, etc.) and environmental regulations.
- Hands-on experience with furnace operation, maintenance, and troubleshooting.

Interested candidates are welcomed to apply online.

#LI-JACMY  
#statejohor

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Company Description