【グローバル半導体メーカー】設備エンジニア｜茨城・設備改善

AI・データ分析や自律走行搬送ロボット（AMR）による工場自動化プロジェクトも

Job Information

Recruiter
Morgan McKinley

Job ID
1620946

Industry
Bank, Trust Bank

Company Type
International Company

Job Type
Permanent Full-time

Location
Ibaraki Prefecture

Salary
Negotiable, based on experience

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General Requirements

Minimum Experience Level
Over 1 year

Career Level
Mid Career

Minimum English Level
Fluent Level

Minimum Japanese Level
Fluent Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

アナログ半導体デバイスを製造するグローバルメーカーの茨城拠点にて、設備の導入・保全から生産性向上に向けた改善まで幅広く担う**設備エンジニア**のポジションです。

設備の安定稼働や不良率の低減に加え、**AI・データ分析を活用した設備監視**や、**自律走行搬送ロボット（AMR）・協働ロボットによる工場自動化**プロジェクトにも参画し、製造現場の効率化と生産能力の向上に貢献できます。

設備エンジニア、設備保全エンジニア、生産技術エンジニア、機械エンジニア、半導体製造エンジニアとしての経験を活かし、先進的な半導体製造環境で専門性を高めたい方におすすめです。

主な職務内容

- 設備仕様の策定、納入スケジュールの調整、据付・生産立ち上げ業務の管理
- 予防保全計画の策定、設備故障の原因調査、再発防止に向けた是正措置の実施
- 設備メーカーと連携したハードウェア・ソフトウェアの改善、処理能力の向上、不良率の低減
- プロセスエンジニアリングや品質管理チームと協働し、設備改善を生産性向上やコスト削減につなげる
- 設備データ、外部センサー、AI、データ分析技術を活用した設備監視・分析機能の開発
- 自律走行搬送ロボット（AMR）や協働ロボットなどを活用した工場自動化の推進
- 設備保全、製造効率、技術的な信頼性、製品品質の継続的改善

Join a **global analog semiconductor manufacturer** as a **Semiconductor Equipment Engineer**, supporting high-volume semiconductor production through equipment reliability, performance optimisation and continuous manufacturing improvement.

Based at a semiconductor manufacturing facility in **Ibaraki Prefecture**, this permanent opportunity combines **semiconductor equipment engineering, preventive maintenance, production engineering, equipment commissioning and factory automation**.

You will take ownership of equipment-related projects throughout the machinery lifecycle, from defining technical specifications and coordinating installation to supporting production start-up, maintenance and ongoing performance improvements.

A key focus will be improving **equipment availability, production capacity, product quality and manufacturing cost efficiency**. By investigating equipment failures and implementing sustainable corrective actions, you will help minimise downtime and maintain stable semiconductor manufacturing operations.

You will work closely with **equipment suppliers, process engineers, production specialists and quality teams** to improve machinery performance, resolve technical issues and identify opportunities to reduce manufacturing defects.

The position also provides exposure to **digital manufacturing technologies**, including equipment data analytics, external sensors, artificial intelligence and advanced monitoring systems that support smarter factory operations.

In addition, you will contribute to **factory automation initiatives**, exploring technologies such as autonomous mobile robots and collaborative robots to improve operational efficiency and manufacturing capabilities.

This role is particularly suitable for an experienced **Equipment Engineer, Maintenance Engineer, Production Engineer, Mechanical Engineer or Semiconductor Manufacturing Engineer** seeking to apply their technical expertise within an advanced semiconductor production environment.

Key Responsibilities

- Define **semiconductor manufacturing equipment specifications** and coordinate delivery schedules with equipment suppliers and internal stakeholders.
- Manage **equipment installation, commissioning and production start-up activities**, ensuring machinery is ready for reliable manufacturing operations.
- Develop and implement **preventive maintenance plans** to improve equipment reliability and minimise unplanned downtime.
- Investigate **equipment failures, recurring faults and performance issues**, identifying root causes and implementing effective corrective actions.
- Collaborate with **equipment manufacturers and suppliers** to improve hardware, software and overall equipment performance.
- Identify opportunities to **increase processing capacity, reduce manufacturing defects and optimise equipment productivity**.
- Work with **process engineering, production and quality assurance teams** to translate equipment improvements into better manufacturing results and lower operating costs.
- Develop **equipment monitoring and analytical capabilities** using machine-generated data, external sensors, AI and data analytics.
- Support **factory automation projects** involving autonomous mobile robots, collaborative robots and other advanced manufacturing technologies.
- Drive **continuous improvement initiatives** across equipment maintenance, manufacturing efficiency, technical reliability and production quality.

Required Skills

必須条件 経験・資格：

- 理系または工学系分野の学士号以上
- 機械工学関連企業での実務経験
- **理学・工学、または関連する技術分野の学士号以上**
- **機械エンジニアリング企業**、または機械設備を中心とする同等のエンジニアリング環境での実務経験
- **機械設備、エンジニアリングシステム、産業機械の運用**に関する理解
- **設備に関する技術的な問題**を調査し、実践的なエンジニアリングソリューションの検討・実施に貢献できる能力

- **設備メーカー、技術スペシャリスト、製造関連部門の関係者**と協働した経験
- **エンジニアリングの原理や技術知識**を活用し、製造設備の性能向上に取り組む意欲
- **半導体製造装置、設備保全、製造技術**に関する専門知識を積極的に習得する姿勢

ソフトスキル：
- 技術的な問題を論理的・データに基づいて分析し、迅速に解決する能力
- 設備メーカー、プロセスエンジニア、生産部門と連携できるコミュニケーション能力
- 半導体技術、デジタルツール、製造技術の革新に対する強い関心
- 技術の進化に応じて、自ら学び続ける主体性と意欲

語学力：
- **日本語：**ビジネスレベル以上（業務上の円滑なコミュニケーションが可能なレベル）
- **英語：**中級〜

歓迎条件
- 設備保全、設備の立ち上げ、または生産技術に関する経験 3年以上
- 半導体製造装置、精密機械、大規模自動化システムに関する実務経験
- 海外の設備メーカーやエンジニアと技術仕様について協議できるビジネスレベルの英語力

採用企業について
大量生産体制のもとでアナログ半導体デバイスを製造するグローバルメーカーです。

同社のエンジニアリングチームは、設備技術、プロセス改善、デジタル技術を組み合わせ、製造設備の安定稼働、品質向上、生産効率の改善に取り組んでいます。

この求人がおすすめの理由
- 設備の安定稼働、生産能力、製品品質の向上に直接貢献するやりがい
- 新規設備の導入から既存設備の改善まで経験できる
- 機械分野の経験を活かし、技術的難易度の高い半導体製造に携われる
- 工場自動化、設備データ分析、デジタル製造に関する実践的な専門知識を身につけられる
- 設備メーカーや、エンジニアリング・生産・品質分野の専門家から学べる
- 不良率の低減、コスト削減、生産効率の改善など、幅広い製造現場で活かせる実績を積める
- フレックスタイム制あり・残業少なめ

Required Skills and Qualifications **Experience:**
- **Bachelor's degree or higher in Science, Engineering or a related technical discipline** .
- Practical experience working within a **mechanical engineering company** or a comparable machinery-focused engineering environment.
- Understanding of **mechanical equipment, engineering systems and industrial machinery operations** .
- Ability to investigate **technical equipment issues** and contribute to practical engineering solutions.
- Experience collaborating with **equipment suppliers, technical specialists or manufacturing-related stakeholders**.
- Interest in applying **engineering principles and technical knowledge** to improve manufacturing equipment performance.
- Willingness to develop expertise in **semiconductor production equipment, maintenance and manufacturing technologies**.

Soft Skills:
- Strong **logical thinking, analytical reasoning and data-driven problem-solving skills** when diagnosing equipment issues.
- Ability to respond promptly to technical challenges and implement **practical, effective solutions** .
- Clear **communication and collaboration skills** for working with equipment suppliers, process engineers and production teams.
- Genuine curiosity about **semiconductor technology, digital tools, automation and manufacturing innovation** .
- Proactive approach to identifying improvement opportunities and taking ownership of technical responsibilities.
- Commitment to **independent learning and continuous professional development** as manufacturing technologies evolve.

Language Requirements:
- **Japanese:** Sufficient professional communication skills to coordinate effectively with equipment suppliers, manufacturing teams and relevant stakeholders. Fluent Japanese is preferred based on the position requirements.
- **English:** Fluent proficiency is indicated for the position, supporting communication with international engineering teams and overseas equipment suppliers.

Preferred Skills & Qualifications
- **3+ years of experience in equipment maintenance, equipment commissioning or production engineering** .
- Experience working with **semiconductor manufacturing equipment**, including machinery used in high-volume production environments.
- Technical experience involving **precision machinery, industrial equipment or large-scale automated manufacturing systems**.
- **Business-level English communication skills** for discussing technical specifications with overseas equipment suppliers and engineers.
- Familiarity with **equipment monitoring, sensor technologies, manufacturing data analytics or AI-enabled production improvements**.
- Exposure to **factory automation technologies**, including autonomous mobile robots, collaborative robots or related industrial automation solutions.

About the Company
Our client is a **global manufacturer of analog semiconductor devices** , operating within a high-volume semiconductor production environment.

The company develops and manufactures semiconductor products through advanced production processes that depend on **highly reliable equipment, consistent manufacturing quality and efficient factory operations** .

Its engineering teams combine expertise in **equipment technology, production processes, quality improvement and digital manufacturing** to strengthen overall manufacturing performance.

The organisation places significant importance on **equipment reliability, preventive maintenance, manufacturing productivity and continuous improvement**, recognising their direct impact on product quality and production costs.

As manufacturing technologies continue to advance, the company is exploring **equipment analytics, artificial intelligence, sensor-based monitoring and factory automation** to improve operational efficiency and support smarter manufacturing practices.

This opportunity allows engineers to contribute directly to **semiconductor production performance**, collaborate with technical specialists and develop valuable expertise in advanced manufacturing equipment and automation technologies.

Why You'll Love Working Here

- Join a **global analog semiconductor manufacturer** operating in an advanced, high-volume production environment.
- See the direct impact of your engineering work on **equipment reliability, production capacity and semiconductor product quality**.
- Gain experience across the **full equipment lifecycle**, from technical specifications and installation to maintenance and continuous improvement.
- Apply your **mechanical engineering or industrial machinery background** to technically demanding semiconductor manufacturing operations.
- Develop practical expertise in **preventive maintenance, equipment troubleshooting and production engineering** .
- Explore **factory automation, autonomous mobile robots, collaborative robots and digital manufacturing technologies**.
- Gain exposure to **equipment data analytics, external sensors and AI-supported monitoring systems** .
- Collaborate with **equipment suppliers, process engineers, production specialists and quality assurance teams** .
- Contribute to improvements that **reduce defects, control manufacturing costs and increase operational efficiency**.
- Benefit from a working environment offering **flexitime and minimal overtime**, supporting a sustainable work-life balance.

Company Description

Morgan McKinleyは国際的な人材コンサルティング会社として、さまざまな業界・分野をリードする採用企業様と、スペシャリストとしてのスキルを有する人材とを結びつけるお手伝いをしています。1988年の創立以来、Morgan McKinleyの名は、「卓越した質のサービス」「市場知識の豊富さ」「No.1企業であり続けようとする強い意志」、そして何よりも「実績」を体現する会社として知られています。

リクルーティング スペシャリストである弊社コンサルタントまでお気軽にお問い合わせください。