



Morgan
McKinley

【大手外資系半導体メーカー】半導体プロセスエンジニア | 茨城

茨城勤務×英語を活かす×グローバル半導体メーカー

Job Information

Recruiter

Morgan McKinley

Job ID

1616517

Industry

Bank, Trust Bank

Company Type

International Company

Job Type

Permanent Full-time

Location

Ibaraki Prefecture

Salary

Negotiable, based on experience

Refreshed

October 8th, 2026 22:06

General Requirements

Minimum Experience Level

Over 1 year

Career Level

Mid Career

Minimum English Level

Fluent

Minimum Japanese Level

Fluent

Minimum Education Level

Bachelor's Degree

Visa Status

Permission to work in Japan required

Job Description

世界的な半導体メーカーの製造拠点で、半導体の製造プロセス改善を担うポジションです。

製品品質、生産効率、歩留まりの向上に向けて、製造装置の評価・導入からプロセス条件の最適化、SPCを用いたデータ分析、実験・改善活動まで幅広く担当。設計・開発・製造部門と連携し、安定した半導体生産を支えます。

主な職務内容

- ・半導体製造プロセスの改善による品質・生産効率・歩留まりの向上
- ・製造装置の評価・試験・導入およびプロセス条件の最適化
- ・SPCを用いた製造・実験データの分析

- ・ 製造データの整理・レポート作成と関連部門への共有
- ・ 製品設計・開発・製造部門と連携した安定生産の実現
- ・ 製造プロセス、職場環境、業務効率に関する継続的な改善活動

Join a leading global semiconductor manufacturer as a **Wafer Process Engineer** in Ibaraki, Japan. In this role, you will improve **semiconductor front-end manufacturing processes** to enhance product quality, production efficiency, manufacturing yield, and process stability.

Working at a major semiconductor manufacturing site, you will evaluate manufacturing equipment, optimize wafer process conditions, and use **Statistical Process Control (SPC)** and manufacturing data to identify opportunities for continuous improvement. You will collaborate closely with product design, development, and manufacturing teams, giving you hands-on exposure across the semiconductor production lifecycle.

This is an excellent opportunity for a bilingual engineer looking to develop a long-term career in **semiconductor process engineering and wafer manufacturing in Japan**.

Key Responsibilities

- ・ Improve **semiconductor wafer and front-end manufacturing processes** to increase product quality, production efficiency, yield, and process stability.
- ・ Evaluate, test, and introduce manufacturing equipment and optimize process conditions for stable mass production.
- ・ Analyze experimental and manufacturing data using **Statistical Process Control (SPC)** to identify issues and improvement opportunities.
- ・ Prepare manufacturing data, technical reports, and analysis results and communicate findings to relevant teams and stakeholders.
- ・ Collaborate with product design, development, manufacturing, and engineering teams to maintain reliable and consistent production processes.
- ・ Identify manufacturing challenges, develop hypotheses, plan and conduct experiments, and evaluate results to support process improvements.
- ・ Participate in continuous improvement initiatives focused on manufacturing processes, workplace efficiency, quality, and stable semiconductor production.

Required Skills

必須条件経験・資格：

- ・ 半導体前工程における実験評価またはプロセス改善の経験
- ・ 半導体製造工場、実験施設などでの製造装置の使用経験
- ・ 半導体前工程およびSPCに関する基礎知識
- ・ 問題の特定、仮説立案、実験計画、結果の取りまとめができる方

ソフトスキル：

- ・ 新しい技術や知識を積極的に学ぶ姿勢
- ・ 課題を整理し、仮説を立てて改善につなげる問題解決力
- ・ 設計・開発・製造などの関係者と連携できるコミュニケーション力
- ・ 計画的に業務を進めるスケジュール管理能力
- ・ 品質や安定生産にこだわり、継続的に改善できる姿勢

語学力：

- ・ 日本語：流暢
- ・ 英語：ビジネスレベル（TOEIC 500点目安）以上

歓迎条件

- ・ 半導体前工程の製造プロセスに関する実務経験
- ・ 半導体製造装置を用いた実験・評価・プロセス改善の経験
- ・ SPCやデータに基づく製造改善の経験
- ・ 品質、生産効率、歩留まりの改善実績
- ・ 設計・開発・製造部門とのクロスファンクショナルな業務経験

採用企業について

外資系グローバル半導体メーカー。

自動車、産業機器、データセンター、通信、コンシューマー向けなど、幅広い分野で使われる半導体製品を開発・製造しています。

世界各地に製造拠点を展開し、品質、技術力、安定した量産体制を重視しながら、半導体技術の継続的な進化を支えています。

この求人がおすすめの理由

- ・ 量産現場でプロセス改善を経験できる
製造装置の評価からプロセス条件の最適化、実験・改善まで幅広く携われます。
- ・ 品質・歩留まり・生産効率に直接貢献できる
自分の技術や改善活動が、製品品質や工場の安定稼働に直結します。

- データを活用した製造改善スキルを磨ける
SPCや製造データを活用し、分析に基づくプロセス改善の経験を積めます。
- 設計・開発・製造を横断して経験できる
複数の専門チームと連携し、半導体製造を幅広い視点から理解できます。
- 茨城でグローバルな経験を積める
世界各地のチームと連携しながら、グローバル半導体メーカーで専門性を高められます。
- 長期的な半導体キャリアを築ける
安定した量産環境で実務経験を積みながら、プロセスエンジニアとして専門性を伸ばせます。

Required Skills and Qualifications **Experience:**

- Experience in experimental evaluation or **process improvement within semiconductor front-end manufacturing**.
- Hands-on experience using manufacturing equipment in a semiconductor production plant, experimental facility, or equivalent engineering environment.
- Basic knowledge of **semiconductor front-end processes, wafer manufacturing, and Statistical Process Control (SPC)**.
- Ability to identify technical or manufacturing issues, develop hypotheses, plan experiments, analyze results, and clearly summarize findings.
- Bachelor's degree or equivalent relevant educational background.

Soft Skills:

- Strong problem-solving and analytical skills, with the ability to approach technical issues systematically.
- Positive attitude toward learning new technologies and continuously developing engineering knowledge.
- Strong communication and collaboration skills for working effectively with cross-functional engineering teams.
- Good planning and time-management skills, with the ability to manage schedules and execute tasks systematically.
- Careful, quality-focused, and improvement-oriented mindset suited to stable manufacturing and continuous process optimization.

Language Requirements:

- **Japanese:** Fluent/advanced proficiency.
- **English:** Working proficiency, approximately **TOEIC 500+** or equivalent.

Preferred Skills & Qualifications

- Experience with **semiconductor front-end manufacturing processes**, including experimental evaluation and process improvement.
- Hands-on experience operating manufacturing equipment in semiconductor production, wafer fabrication, or experimental environments.
- Knowledge of **SPC, manufacturing data analysis, and data-driven process improvement methodologies**.
- Experience improving product quality, production efficiency, manufacturing yield, or process stability.
- Experience collaborating with product design, development, manufacturing, and production engineering teams.

About the Company

Our client is a **leading global semiconductor manufacturer** specializing in analog and embedded processing technologies. The company develops an extensive portfolio of semiconductor products used across the **automotive, industrial, data center, communications, and electronics industries**.

Its global manufacturing network includes wafer fabrication, assembly, testing, and distribution operations. Its semiconductor technologies support critical applications such as **electric vehicles (EVs), factory automation, medical equipment, power management, and advanced electronic systems**.

The company offers a stable, technology-driven environment with a strong emphasis on engineering excellence, manufacturing quality, continuous improvement, and long-term innovation.

Why You'll Love Working Here

- Work at a major **semiconductor manufacturing site in Japan** with an established record of stable mass production and a strong focus on quality and safety.
- Build hands-on expertise in **wafer process engineering and semiconductor front-end manufacturing** through process optimization and equipment evaluation.
- Strengthen your technical capabilities through experimental evaluation, SPC, and manufacturing data analysis.
- Gain valuable cross-functional experience by working closely with product design, development, manufacturing, and engineering teams.
- See the direct impact of your engineering work on **product quality, manufacturing yield, production efficiency, and factory stability**.
- Join a collaborative, continuous-improvement-focused engineering environment.
- Benefit from **flexible working arrangements, minimal overtime, and casual clothing**.
- Build a long-term semiconductor engineering career while continuously developing practical analytical, manufacturing, and problem-solving expertise.

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。