



Ref. PRDE-15

R&D Process Engineer

DeepSky Corporation Limited, a privately owned company based in Hong Kong, is a very innovative start-up committed to developing next-generation active pixels, high resolution and scalable, video display products. These novel display modules integrate many advanced technologies: solid-state light-emitting devices, backend chip integration & encapsulation, novel video frames processing and pixel structures, ASIC based digital signal processing, reliable power distribution, thermal & mechanical design.

Deepsky has a fully equipped and automated plant in Hong Kong comprising: SMT production line, backend machines (manual and automatic), testing equipments (electrical and optical), computer controlled CNC mill, and all the auxiliary equipments for both state-of-the-art R&D and manufacturing.

CONTEXT

DeepSky Corp is looking for a self-motivated, hands-on Process R&D Engineer to become a member of the R&D team responsible for the development, design, and fabrication of the display core technology. This position will support new product and process development and it mandates a resourceful and pragmatic approach to a variety of problems in semiconductor, electronics and surface physics, down to purely technological problems encountered in production. The appointee will report directly to the Company's CTO.

THE JOB

- Conduct experimental work to design the manufacturing process
- Collaborate with the device design team
- Set-up all the instrumentation required for full product characterization, including photometry, encapsulation integrity, and electrical performance of the finished product
- Conduct analysis of defaults and isolate aging mechanisms
- Help train process technicians and define cleanroom procedures
- Develop, test and document work procedures
- Participate in the design of the production line IT

REQUIRED SKILLS

- MS/PHD in Science or Engineering subjects
- Hands-on laboratory experience and modern instrumentation
- Previous experience in solid-state physics, electronics or back-end manufacturing
- Knowledgeable in Matlab/R; fundamentals in database and data analysis & modern programming languages (Python)

DESIRED SKILLS

- Knowledge of modern light-emitting semiconductors
- Some insights in digital electronics

- Some microscopy (S.E.M & optical) and analytical instruments proficiency
- Knowledge of cleanroom procedures
- Ability to adjust to changing priorities and schedules to keep projects on-track

SALARY & BENEFITS

We thank applicants for their interest, but advise that only shortlisted candidates will be notified of the results of their applications.

We offer 5-day work week in Hong Kong and competitive remuneration package including VISA application (if needed) and travel expenses to HK to the right candidate. Interested parties please quote reference PRDE-15 and apply with full resume showing current and expected salaries to:

info@deepskycorp.com