Company Overview

Ceres Holographics Ltd is a small but dynamic high-tech company on a path of considerable growth and expansion with a growing list of international customers across the automotive and consumer electronics sectors.

The company has developed unique digitally controlled volume holographic mastering and replication technology which is used to produce precision engineered Holograms and Holographic Optical Elements (HOEs) in photopolymer film for mass market light guiding and transparent display applications. It is currently experiencing high demand for its products and services. Ceres’ core digital mastering and advanced replication technology is critical to the company’s growth and is now funded to further advance its core technology and prepare for production level supply of product into its primary market. In light of this ambition the company is looking for experienced Opto-Mechanical engineering talent to join the company and scale its current replication capability to meet high volume demand for the technology.

Role Summary

We are seeking an Opto-mechanical engineer to work on scaling our current pilot production manufacturing capability. The role will involve working with both internal R&D and external equipment manufacturers to integrate the Ceres HOE Replication technology into a Reel to Reel full web width production line. The successful candidate will be part of the Operations team reporting to the Operations Director.

Responsibilities

The core responsibilities include:

- Design opto-mechanical components and mechanisms to enclose, align and retain optical elements for the HOE Production Replication system.
- Development of mechanical systems and components for: thin film material handling, alignment and registration.
- Work with external suppliers and partners to fulfill the development build and commission of new machinery.
- Design and manufacture of jigs and fixtures for existing pilot/ prototype production processes

Person Specification

Skills

- Minimum 3 years’ experience of mechanical design in an optics environment
- Experience with 3D modelling - SolidWorks
- Experience of working with optics, lasers and vision systems in an automated production environment.
- Mechanical design of high-volume automated manufacturing equipment

Desirable Skills

- Experience of Roll to Roll production equipment specification and control.
• Familiarity with optical design software such as Zemax.
• Knowledge of Siemens Programmable Logic Controllers.