



**Client is a public-listed company specializing in the design, development, manufacturing and distribution of automated equipment for the semiconductor industry.**

## **SENIOR / PRINCIPAL MECHANICAL DESIGN ENGINEER**

### **Responsibilities :**

Design and develop machine to meet the system specifications (required by process/automation needs) involving:

- Design standardisation
- Costing and project planning.
- Machine and module conceptualisation design
- Design for manufacturing (DFM), design for assembly (DFA) and Concurrent engineering
- Pneumatic/hydraulic circuit design.
- Detail fabrication drawings, assembly drawings and layout drawings.
- Selection and sizing of standard components available off the shelf.

### **Requirements :**

- Bachelors / Master of Engineering with minimum 5 years relevant experience
- 3D Solid Modeling, preferably Pro-E (others like Solid Edge, AutoInventor, Mechanical Desktop, Solid Designer are also acceptable).
- Good track record in:
  - Ultra High Precision machine design
  - High Speed Pick and place mechanism design
  - Structural, kinematics and dynamic analysis and FEA simulation
  - Geometrical tolerance and dimensional analysis. (e.g. stack up error)
  - Engineering material selection
  - Design troubleshooting.
  - Application of analysis tools like FMEA, DOE

**Interested candidates are invited to submit your latest updated resume stating your availability of employment, current, achievements and expected salary to Adrian Collin Png at: [adrian@collincrawford.com](mailto:adrian@collincrawford.com)**