



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