February 1, 2012

High-Tech Corp. is seeking an experienced ME. It is posted on CDS Online at (http://www.njit.edu/cds/).

PROJECT ENGINEER

Description:
DEGREEED MECHANICAL ENGINEER WITH MINIMUM 5 YEARS EXPERIENCE.

ABOUT US: WE ARE MANUFACTURERS OF A PROPRIETARY, CUSTOM BUILT MACHINE USED IN THE FIELD OF POLYMER EXTRUSION. ALL DESIGN WORK AND FABRICATION ARE DONE IN HOUSE. FOUNDED IN 1969, WE ARE A SMALL, CLOSELY HELD COMPANY WITH CUSTOMERS AMONG THE "FORTUNE 500" IN THE USA AND AROUND THE WORLD. WE HAVE AN IMMEDIATE OPENING FOR AN INDIVIDUAL INTERESTED IN WORKING IN A "SMALL COMPANY" ENVIRONMENT - A TEAM PLAYER WHO IS WILLING AND ABLE TO WORK INDEPENDENTLY ON A PROJECT FROM START TO FINISH.

JOB REQUIREMENTS - KNOWLEDGE OF/EXPERIENCE IN:

- DEVELOPING A PROJECT FROM LAYOUT, BOM. (PLASTIC PROCESSING MACHINERY / EXTRUSION DESIGN A PLUS). SOLID WORKS PREFERABLE

- ANALYTICAL SKILLS IN STRENGTH OF MATERIALS, MACHINE DESIGN PRACTICES. PIPE FLOW, THERMAL ANALYSIS & POLYMER PROPERTIES A PLUS.

- STRONG KNOWLEDGE OF MACHINE SHOP PRACTICES WITH CONVENTIONAL MACHINES: LATHE, MILLING, DRILLING, EDM AND GRINDING.

- STRONG KNOWLEDGE OF HIGH SPEED TOOLING AND CARBIDE TIPPED TOOLS.

- STRONG KNOWLEDGE OF METAL CUTTING (MATERIALS, MACHINING RATES): STAINLESS STEELS, ALLOY STEELS.

- KNOWLEDGE OF HEAT TREATMENTS

- KNOWLEDGE OF WELDING PRACTICES

- ELECTRICAL CIRCUITRY AND CONCEPTS (AC MAINLY)

- FAMILIARITY WITH STANDARD CONTROLS (TIMERS, RELAYS, VALVES). PLC, A PLUS.

- FAMILIARITY WITH INSTRUMENTATION: THERMOCOUPLES, TEMPERATURE CONTROLLERS, PRESSURE CONTROLLERS

- TRAVEL: 10 - 15%