



Mike Chymbor
HABCO Inc.
40 SEQUIN DRIVE,
GLASTONBURY, CT 06033
PH (860) 682-6800 x107
FAX (860) 659-1547
E-Mail mikechymbor@habco.biz
<http://www.habco.biz>
ISO9001 & AS9100 Registered

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MEMO

To: Circulation

From: Mike Chymbor

Re: Entry Level ME requirements

A highly motivated mechanical engineer capable of working in a fast paced environment. A self-starter with knowledge of mechanical design theory in the fields of structural, hydraulic and thermodynamic systems required.

Ability to perform FEA using COSMOS or similar software helpful.

Candidate should have an understanding of AC & DC motors and be able to design simple mechanical, pneumatic & hydraulic control systems. Be able to assist in the selection of centrifugal & positive displacement pumps and pump controls, pressure & flow regulators, heat exchangers and cooling systems. Learn to determine line sizes & suitable plumbing along with suitable structural steel considering material, size & shape. Have spent 2-4 years in an accredited mechanical engineering college program or two years in a mechanical design position.

Good communication skills essential.

MS Access/Word/Excel knowledge required.

Duties include providing support for the project engineers; assist in the design of mechanical control, structural & fixturing systems including schematic development & structural layout using AutoCAD and Solidworks (or Key Creator); assist in selecting mechanical control devices and develop and purchase the associated Bill of Materials; develop the ability to support the design, documentation, assembly, integration, test and field support of industrial controls/systems; help create the functional test requirements for equipment checkout and insure proper setup & calibration of mechanical systems.

BSME or 2 years experience required.

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