

ROBERT SMITH

Lead Machine Designer

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Utilize skills, abilities, and experience of product development and manufacturing solutions for new or existing products, processes, and operations. Deploy implement engineering and automation projects from quality products to advanced manufacturing facilities for the improvement of production efficiency yield operations and design.

FEBRUARY 1991 - OCTOBER 1991

LEAD MACHINE DESIGNER - ABC CORPORATION

- Contracted with Creative Design and TM Design (Watson Automation).
- Developed and manage manufacturing maintenance plans on a 90,000 sq. ft.
- Managed all maintenance tasks are completed in the production environment within budget & timely manner.
- Created work instructions for each new machine as part of acquisition planning.
- Responsible for keeping the plant up to GMs specifications.
- Assisted the team with building mock-up lamp fixtures for testing cells.
- Evaluated and troubleshoot machine issues, perform repairs, and resolve equipment issues.

1990 - 1991

MACHINE DESIGNER - DELTA CORPORATION

- Machine Designer - (High Speed Wrapping and Packaging).
- Machine and mechanical design & detail, of wrapping machine-lines equipment, conveyors, cookers, enrobers, baggers, packaging, cartoning, etc. for Mars Bars, Snickers, Three Muskateers, Twix, Skittles and Starburst candies.
- Overhead rail & track transport hopper drop feed, into LED photo-transistor & air gauged rejection/acceptance part orientation vibratory-feeder bowls, into piece part linear vibratory track feeder, onto cam driven rotary separator piece part stick grouping, upto index chain drive intermittent high speed infeed, into dough-boy stick wrap, discharge into auto carton collator box packaging.
- From mixers pressure vessel cookers, linear trough feed candy-material extruder, to roll-mill web form & trim, and piece part candies, nitrogen chill roll almonds-peanut brittle/cookie/caramel web combinator, thru oven/dryer to web slitter air-knife bar butt cut discharge, into chocolate enrober transport thru cooling tunnel, bull-nose drop transfer conveyor onto high speed orientation/reject transport conveyor infeed, of single & double row stick wrappers, thru timing belt rotate transfer discharge into auto carton collator box packaging, with metal detectors & air knock-off rejectors.
- High speed weigh scale & metered, piece parts & sticks, for horizontal & vertical form fill and seal wrappers & bagging machines, and

- gantry-robotic inventory equipment.
- FMC Triangle Dough-Boy, etc.

EDUCATION

Certificate in Autocad (1) semester - (Tulsa County Vo-Tech - Tulsa, OK)

SKILLS

CAD, 3DAutocad, Electrical, MechDesktop, Inventor.