

DEREK OSBORN

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CAREER OBJECTIVE

Hard-working recent college graduate with a Associate in Science (A.S.) in Mechatronics Engineering (3.1 GPA), with 2.5+ years of work experience. Aiming to leverage academic experience and a proven knowledge of operations start up, yield improvement, and process automation to successfully fill the maintenance technician role at your company. Frequently praised as focused by my peers, I can be relied upon to help your company achieve its goals.

EDUCATION

Randolph Community College
Asheboro, NC

A.S. Mechatronics Engineering (May 2019)

- **GPA:** 3.1
- **Relevant Coursework:** Industrial Wiring, Electricity AC/DC, Motors and Controls, Pneumatic and Hydraulics, Intro to Automation, Intro to PLC, PLC Application

PROFESSIONAL EXPERIENCE

Pactiv, Greensboro, NC

Senior Operator Mechanic, Jun 2017 – Aug 2019

- Changing the mold for a roll fed inline thermoformer
- Cleaning the mold's cavities and disassembling the cavities from the lock in pates to clean the vacuum lines within the molds themselves to ensure the best opportunity for the product to be formed correctly.
- Ensure that the vacuum system was properly set and that the main vacuum hoses were seating correctly or if damage has occurred to the hose and either replace the hose clamps or replace the hose itself.
- Troubleshoot on the hydraulic system when the locking system was not working properly to unlatch or latch the molds in place and help replace the solenoid to ensure the safety of the facility.
- Changing recipes for the desired product that was desired on each specific line.
- Adjusting heat zones within the thermoformer to achieve the desired warmth of the product to be able to ensure the forming of its shape would not be damaged by cold cracks, over heating the material to where the product is being produced is so soft its unable to make machines operate properly down stream, or become brittle.
- Inspect the rolls of material to ensure the width was correct and within tolerance of the quarter inch gap(1/4") was maintained to ensure the material would stay on the chains within the rails of the thermoformer
- Changing roller sprockets for the chains and changing the out the chains and placing the locking pin in the correct position to maintain the chain will not come loose at that point and ensure the thermoformer can pull the material through without causing an oven jam.

- Clearing the material from the heat bands and the screens when the rails were open to wide and the material dropped on the screening and began to collect.
- Always check on static eliminators to maintain safety within the facility
- Preparing Automation for the next product that was being produced to be packaged in the correct size film to fit the product properly.
- Adjusting the guide rails for the new product to be able to stand up straight and be able to be counted by a fiber optic counting eye to the correct number that was set on the HMI of the machine itself.
- Properly adjust film distance to keep the single packaging tight without ripping, count so the correct amount of product was placed in the single packaging, elevator function to place the correct amount single packaged products into a case
- Change out the elevator plates to fit the product proper from falling when rising
- Set up the trim press for the product being produced so it had and even edge around the products ends
- Disassemble the trim tooling to be able to replace the edging cavities to be able to to cut the product out without any chads being left behind to keep the smooth edges being made
- Always hooking up the oil lines to the trim tool to ensure there was no friction from the guide rails of the trim tool to have proper functioning.
- Unclogging bulk grinders from over burden of raw material being placed into the grinder.
- Replacing pneumatic cylinders within the trim press as they wear or break and causing the product not to be cut out properly.

Technimark, Asheboro, NC

Production Worker, Jul 2017 – Nov 2017

- Perform quality checks on products and parts.
- Package finished products and prepare them for shipment.
- Rotate through all the tasks required in a particular production process.

Teleflex, Asheboro, NC

Machine Operator, Sep 2014 – Nov 2015

- Observe machine gauges and equipment operation to detect defects or deviations from standards, and make adjustments as necessary.
- Start and stop operation of machines, using levers or buttons.
- Start pumps to mix solutions and fill tanks.
- Record operational data on specified forms.
- Operate auxiliary machines or equipment used in coating or painting processes.

ADDITIONAL SKILLS

- Reading industrial wiring schematics
- Reading pneumatic and hydraulic schematic
- Wiring circuits from reading a schematic
- Industrial wiring using UL 508a
- Knowing how to operate rslogic 500 and 5000 properly

CREDENTIALS AND LICENSES

- Electrical Systems-PLC
- Mechatronics Engineering
- Programming simple programs for Fanuc Robots