

Francisco Javier Pacheco Murillo.

Industrial maintenance engineer. jpachecom4@gmail.com, ph: 477-687-4948

Job Experience.

Die Cast Automation Technician

[2020 - Now - Autoliv Mexico East. - H. Matamoros, Tam.]

Responsible of the Die Casting area: staff under my charge:

- 3 Technicians.
- 2 mechanics.

including furnaces, Machines (Buhler), their lubricant Robots, press for quit the burr of the pieces and laser markers (maintenance and programming and modify the PLC programs of those). Make improvements and projects in the die cast area, like adding PokaYokes with vision systems, PLC, some of the projects that I was involved are: adding models to the marking laser, modifying machines, refurbish machines, adding traceability in the process.

Responsible of programming the maintenance of the equipment month per month. Also, we are continuously making the improvement and make the area more automated. Most focused on the control development.

Automation Technician.

[2017 - 2019 - Summit Mexico Management. - Silao de la Victoria, Gto.]

Responsible of 38 Wittmann Robots For the molding Area, responsible of installation, programming and maintenance.

Responsible of the molding machines (38 machines, Van Dorn & Krauss Maffei, 230 T-1100 T), make purchase orders for spare parts, and get a robust stock. Responsible of design the EOAT for each mold, conveyors, cages for robots, and responsible of the assembly of those designs. Installation of the new molding machines that arrives to the factory. Responsible of 4 assembly lines, and 2 paint cabins. 140 Fixtures in total. Also to Do modifications to those fixtures like add red rabbits, PokaYokes, etc. And responsible of the validation with the customers (GM, Volkswagen, Jeep).

Maintenance Technician.

[2015 - 2017 - Fisher Dynamics - H. Matamoros, Tam.]

Responsible of 3 assembly lines, responsible of maintenance of those assy lines, responsible of debugging problems of the new assy lines that arrives to the factory in that time, programming some routines in the plc for improvements.

Process Technician/Assembly Technician.

[2014 - 2015 - Core Molding Technologies - H. Matamoros, Tam.]

Responsible of 5 assembly lines, validate all the assembly process of the final product (Hoods, Hi/Sky Rise and service parts) for different Customers, (Navistar, Volvo and Paccar). Modification and creation programs for Fanuc Robots to cutting material with high pressure water.

Electric Technician.

[2013 - 2014 - Tecnología y Diseños HIGOH - H. Matamoros, Tam.]

Making and wiring fixtures for customers, Interpret the electric and pneumatic diagrams required by the customers and responsible of wiring the control panel, sensors, limit switch, PLC (including program modifications), LVDT Calibrations, relays, HMI (including program modification), Driver Index. Maintenance service to fixtures and machines of customers like: **TRW (Reynosa)**, **ERIKA (Reynosa)**, **TRICO (Matamoros)**, **MAGNA CLOSURES (Saltillo Coahuila)** and other customers.

Technical Skills.

Automation

PLC

- RslogixStudio5000 (Allen Bradley PLC, Certificate of .4 hrs of training.)
- CX-Programmer (OMRON PLC, Certificate of training.)
- Tia Portal (Siemens PLC [Basic], Certificate of basic knowledge.)
- Keyence Vision Training.

Design

- Solidworks.

Programming

- C.
- Python.
- Bash - GNU/Linux

Languages.

- Spanish Native language.
- English 90%.

General Skills.

- Maintenance metrics. (MTTR & MTBF).
- Electric/electronic interpretation.
- Mill and late knowledge.
- Arc welding.
- Hydraulics knowledge.
- Pneumatics knowledge.

Education.

Universidad Tecnologica de Matamoros 2015.

Licenciatura en Ingenieria en Mantenimiento Industrial. P.L: 10985535