

Hector Ramirez

Mechanical Assembler

Mechanical assembler with 5 years of mechanical assembly on industrial valves, pumps and compressor skids in Houston. Reads blueprints and mechanical drawings, measures fits with micrometers and calipers, and builds bolted joints with hand tools and power tools that pass hydrostatic testing the first time.

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 Houston, TX

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Experience

Mechanical Assembler 02/2023 - Present

Gulf Coast Valve & Pump Houston, TX

Builds gate, ball and check valves for pipeline and refinery customers.

- Build and torque **30** gate and ball valves a week, from 2-inch to 24-inch, to customer drawings.
- Measure stems, seats and bores with micrometers and calipers, recording dimensions on every traveler.
- Run hydrostatic testing to 1.5 times rated pressure, passing 97% of valves on the first test.
- Partner with engineering on 8 drawing revisions that removed fit-up interference on a new valve line.

Assembler 06/2021 - 01/2023

Bayou Compression Services Pasadena, TX

Packages gas compressor skids for gathering and midstream sites.

- Assembled compressor frames, crossheads and cylinders on 14 skids for gas gathering sites.
- Set bearing clearances with feeler gauges and dial indicators to within 0.001 inch.
- Rigged parts up to 4,000 lb with overhead cranes and slings with zero incidents in 19 months.
- Torqued 200+ cylinder and frame bolts per skid in sequence with calibrated hydraulic torque wrenches.

Machine Shop Helper 07/2019 - 05/2021

Channelview Machine Works Channelview, TX

Part-time job in a pump repair shop while in machining school.

- Disassembled and cleaned 15 pumps a week for inspection and repair.
- Deburred 40 machined shafts and sleeves a week and checked diameters with micrometers.
- Labeled and shelved 300 incoming repair parts a month in the shop stockroom.

Skills

Mechanical Assembly

Blueprints

Mechanical Drawings

Micrometers

Calipers

Hand Tools

Power Tools

Hydrostatic Testing

Rigging

Work Independently

Education

Certificate 05/2021

San Jacinto College

Pasadena, TX

Machining Technology

Certificates

OSHA 10-Hour General Industry

07/2021

OSHA Training Institute
Education Center