

MANOJPRIYAN S.D
Chennai, TN, INDIA
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Professional Summary

Dedicated Hydraulic engineer with 4 years of experience in design, application, trouble shooting and project management in Hydraulic power pack, cylinder and press. Good in CAD operation and skilled producer of developing effective Hydraulic system. Recognized for increase in manufacturing efficiency and decrease the constant need for re-engineering. Self-driven person with positive attitude.

Professional Skills

- Knowledge to read and design hydraulic circuits.
- Knowledge in hydraulic calculations and component selection.
- Cylinder designing and seal selection.
- Manifold designing and pipe routing.
- Troubleshooting Hydraulic systems.
- Able to work in Auto CAD 2D, Solid works & Microsoft office.
- Strong ability to execute project effectively.
- Outstanding ability to manage multiple projects simultaneously.
- Professional in customer handling.

Professional Experience

Organization : Flowlines Engineering Pvt Ltd, Chennai.

Industry : Hydraulic SPM, power pack & cylinder manufacturer

Duration : June 2017 to June 2019.

Designation : Hydraulic Design & Application Engineer.

- Meeting customers and receiving customer inputs for the machine.
- Calculation of load, pressure, flow & power of the system.
- Analyzing and developing hydraulic circuit for the application.
- Hydraulic component selection to suit the specified application.
- Preparation of bill of materials and cost estimation of raw material, machining, fabrication & labor cost for power pack.
- Proposal submission & proposal revision to match the customer need.
- PO processing, planning & arranging pumps, valves, hydraulic accessories, manifold & bell housing within the estimated time.
- Coordinating with production team during fabrication, assembling & testing of power pack.

Major projects

- Hydraulic synchronizing lifting platform for SLM machine.
- Hydraulic testing machine for piston cooling nozzle.
- Hydraulic scissor lift 12T.
- Hydraulic power pack for lifting furnace.
- Test rig to test Hydraulic U-cup & wiper seals.
- Test rig to test Hydraulic cylinders.

Organization : Pressform Industries, Chennai.

Industry : Hydraulic Press, power pack & cylinder manufacturer.

Duration : July 2019 to till.

Designation : Hydraulic Engineer.

- Design and developing hydraulic circuit for the Hydraulic press and power pack.
- Technical support the production team for manufacturing manifolds, adaptor plate, tanks, top plate, piping and flanges according to the circuit.
- Planning and executing the project within scheduled time.
- Testing and inspecting the system as per the customer requirement.
- Trouble shooting Hydraulic presses, power packs & cylinders.
- Servicing Hydraulic pumps & valves.
- Technically guide the service team during commissioning and fault attending.
- Customer handling during enquiry, technical clarification, drawing approval, process updating, counter sales, in-house and on-site servicing.

Major projects

- 300L Hydraulic power pack with accumulator for Door opening, closing in coal mining.
- 2500L centralized Hydraulic power pack.
- 2500L Hydraulic power pack with accumulator for wagon loading.
- 40T closed frame press.
- 50T pillar type up stroking press.
- 125T closed frame trimming press.
- 500T closed frame deep drawing press.
- 600T closed frame forging press with linear scale.
- 300T closed frame forging press.
- 300T closed frame tool assembly press.
- 16T C-Frame press with load cell.
- 100T closed frame forging press.
- 40T C-Frame press with linear scale and load cell.
- 450T Deep drawing press with blank holder.
- 125T Deep drawing press.
- 1000L centralized Hydraulic power pack with accumulator.
- 1500L Hydraulic power pack with Hydro motor.
- 300L Hydraulic power pack for filtration and cooling.
- Machine tool power packs.

Area Of Interest

- Service.
- Application.
- Design.

Educational Qualification

- M.B.A in International Business - 2018-2020 - 70%
Periyar University, Salem.
- B.E in Mechanical Engineering - 2013-2017 - 67%
Agni college of technology, Chennai.
- Higher Secondary - 2011-2013 - 86.3%
Gandhinagar matriculation higher secondary school, Tiruvannamalai.
- Matriculation - 2010-2011 - 87.4%
Moorthy matriculation school, Vettavalam.

Hobbies

- Learning hydraulics.
- Short film making.
- Modifying, maintaining & riding Royal Enfield.
- Hearing Home theater and Atmos sound effects.
- Good in cricket, carom and chess.

Personal Details

- Date of birth : 21st June 1996
- Languages known : Tamil & English
- Marital status : Single
- Nationality : Indian
- Passport Details : P4210833

Declaration

I hereby declare that all the above furnished information are true to my knowledge.

MANOJPRIYAN S.D