

MOHD AZEMI BIN AHMAD, H/P: 019-3372850

CV SUMMARY :



- 1) **Working Experience**
 - a) **Perodua Manufacturing Sdn Bhd – 11 year (Sept 1997 ~ Aug 2008)**
 - ~ R&D Engineer - 1 year
 - ~ QA Engineer - 1 year
 - ~ Production Engineering (Industrial, Machines & Die) for Aluminium Die Casting - 6 years
 - ~ Assistant Manager (Production & Die maintenance) for Aluminium Die Casting- 3 years
 - b) **Delphi Packard Electric (M) Sdn Bhd. (Sept 2008 ~ Jul 2010)**
Product Development coordinator/Application Engineering – New Product Development Coordinator & Application Engineering for car wire harness (Automotive Industry - Electrical)
 - c) **Hicom Diecasting Sdn (Aug 2010 ~ April 2012)**
Manager - Production & Maintenance (Machine & Die) for Al Low Pressure Die Casting , as Head of Subsidiary Plant in Gurun Kedah. (Automotive Industry)
 - d) **RWNA Engineering (May 2012 ~ Aug 2013)**
R&D Manager – Design (3D Modeling) & Production (CAD/CAM/CNC Machining) of Tools & Jigs for on-site machining (Oil & Gas Industry).
 - 2) **Education :**
Bachelor Degree of Material Engineering
 - 3) **Others:**
Safety Passport NIOSH-OGSP, NOSP (OSFAM)
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1.0 ADDRESS

Lot 14650 Taman Desa Perwira,
Jalan Tok Jembal,
21300 Kuala Terengganu,
Terengganu.

2.0 CONTACT

2.1 Telephone (house) : 09-6621695
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3.0 PERSONAL DATA

Date of birth : 30 August 1973
Place of birth : Terengganu
Religious : Muslim
Marital status : Married

4.0 EDUCATION

4.1 Higher Education

B.Eng (Hons) in Material Engineering (Universiti Sains Malaysia)

Second Class Lower

Year graduated : August 1997

Core Subject :-

Metallurgy, Strength of Material, Physical Chemistry of Material, Crystallography & Bonding in Solid, Thermodynamics & transport process, Material Processing & unit operation, Process control & quality control, Failure analysis/non destructive testing, Corrosion & degradation, Ceramic, Polymer, Composite, Aerospace Engineering & Spacecraft propulsion

4.2 School

Sekolah Sultan Mahmud, Kuala Terengganu
SPM (Grade 1)

5.0 OTHERS QUALIFICATION AND TRAINING

5.1 Car Body Designer with CAD System

Location: Casa Di Carita Arti E Mestieri, Turin, Italy

Core Subject:

- 1) Car body Engineering design with CAD (Catia Version 4)
2D Drafting, 3D modeling, wire frame, surface, solid modeling and dimensioning.
- 2) Automotive Engineering Design
- 3) CNC programming
- 4) Molding and Stamping Technology for Automotive
- 5) 3D Inspection with DEA CMM and Tutor with Programming
- 6) CAM and UNIX System

5.2 Robotic and Fanuc Robot Programming

Location: Technology Park Malaysia

5.3 Engineering Drawing

German Malaysia Institute, Kuala Lumpur

5.4 Engineering Drawing with AutoCAD 2000

Acad System, Kuala Lumpur

5.5) Safety & Health

- i. Occupational Safety & Health (OSH) awareness
- ii. OSH Management Due Diligence
- iii. NIOSH Oil & Gas Safety Passport (OGSP) – Valid until May 2015
- iv. NIOSH-OSFAM Safety Passport (NOSP)- Valid until June 2014

5.6) System & Problem solving method

- i. Toyota Production System (TPS)
- ii. Quality control circle (QCC)
- iii. KPI and Job Scope management (JHC)
- iv. Six Sigma (Green Belt)
- v. Structured Innovation (TRIZ)
- vi. 5S, TPM, ISO/TS16949

6.0 WORKING EXPERIENCE

6.1 PERODUA MANUFACTURING SDN BHD – Rawang, Selangor

a) R & D Engineer (1 Year)

Duties and Responsibilities: -

- 1) Designing, part/component specification, liaise with vendor for part technical development, part/component specification.
- 2) December 1997 to June 1998 :
On job training at Torino, Italy for Kancil New Car Body Project

b) Quality Assurance Engineer

- Perodua Engine Manufacturing Sdn Bhd (September 1998 – October 1999)

Duties and Responsibilities: -

Quality control and monitoring for Casting line, Machining Line and Engine Assembly line, In line quality control, Engine quality and testing, Car Statistical process control, Quality inspection and

checking for engine component. Manpower supervision and inspection equipment monitoring.

c) Production Engineering (Process & machinery for Aluminium Foundry Plant – Gravity & Low Pressure)

i) Duties and Responsibilities:-

Production Engineering (Industrial, Machine/Equipment & Die) for New Factory/ Shop and Production Line improvement of Aluminium Die Casting (Gravity & Low Pressure).
Detail as below.

- ~ Factory manufacturing forecast and planning
- ~ Feasibility study and proposal to management for project approval and budgeting
- ~ Production process flow, factory layout and equipment/machine layout.
- ~ Preparation of equipment/machine specification for supplier/maker quotation and technical proposal.
- ~ Coordinate equipment/machine proposal technical discussion with maker.
- ~ Evaluation preparation for machine/equipment technical proposal of specification (mechanical, electrical design, capability of process, manufacturing output, quality and maintenance).
- ~ Project proposal preparation and presentation to management for purchase/ procurement stage.
- ~ Project overall implementation scheduling, project progress monitoring and manufacturing scheduling (New Product Development)
- ~ Perform/leader of equipment/machine pre-delivery technical specification inspection and machine trial and production trial at maker site.
- ~ Perform/Leader of equipment/machine site testing, production trial, evaluation, production training and improvement for handing-over from machine maker/ contractor and propose to management.
- ~ Yearly budgeting preparation for line/shop improvement activities, propose to management, coordinate improvement activities with maker/ contractor.

ii) Project Accomplish / Handle

- 1) Auto Pouring Robot for Molten Aluminium of Cylinder Head Gravity Die Casting
 - ~ Fanuc Mecharonic (M) & KEU Engineering - Malaysia
- 2) Cylinder Head Alumnum Gravity Line for Kenari/ Kelisa:-
 - ~ Aluminium Melting Furnace – Myung Sung, Korea
 - ~ 4 station turn table gravity die casting machine – Dongseo Mechatronic, Korea
 - ~ Die and Mould for cylinder Head Aluminium casting – Ah Sung Mould, Korea
 - ~ Riser Cutting & Sand removal machine - Dongseo Mechatronic, Korea
 - ~ RCS Shell Core machine (Vertical TD550 & TH750) – YungJin, Korea
 - ~ Steel Platform , M&E, Overhead Crane and Machine mobilization – Mechpro Engineering, Malaysia
- 3) Riser Cutting & Sand removal machine for Kancil 660cc & 850cc Cylinder Head
 - Dongseo Mechatronic, Korea
- 4) RCS Sand Shell Core Machine , TH750 (Capacity upgrade) – YungJin Korea
- 5) Gravity line Production line re-layout (Machine and equipment mobilezaation/repositioning, steel platform, piping, Electrical DB & power supply wiring, hoist & structure)
- 6) Capacity upgrading and Aluminium Cylinder Head DVVT Production Line Set-up:-
 - ~ Aluminium Melting furnace 500kg LPG melting & Electric Heater - DAIKI (SEA), Malaysia
 - ~ Cylinder Head Mould and Die for Aluminium Gravity Casting - Miyamoto, Japan
 - ~ Auto Pouring Robot – Fanuc (M)/ KEU Engineering
 - ~ Factory building extension – Local contractor
- 7) Impregnation Machine (IP) and washing machine for Aluminium Casting part – IMP India
- 8) Overhead Crane upgrading to wireless pendant control – MHE-Demag
- 8) Proton CAMPRO Aluminium Cylinder Head Low Pressure Casting Line
 - ~ Melting Furnace 500kg LPG melting & Electric Heater - DAIKI (SEA) Malaysia

- ~ Aluminium molten degassing equipment and Ladle burner – Shizunami / Daiki (M)
- ~ Low Pressure Casting Machine - Isuzu, Nagoya Japan
- ~ Low Pressure Mould (Sand Core Mould & Low Pressure Die) – Saito Mould/ Isuzu, Japan
- ~ Sand Burning machine with LPG burner - NKT, Thailand
- ~ Face Milling Machine, CNC – OKK, Japan

- ~ Finishing Line machine (Sand Removing, Gate cutting, Leak Tester, Washing machine)
 - TCM (Thailand), A-TEC/TMEH (Malaysia)
- ~ Steel platform, Electric Power supply and DB, Piping for LPG, water and compressed air piping
 - TMEH Engineering
- ~ Spot cooler and ducting system – Denso (Malaysia)
- ~ Fume/Hot gas collector – Jebsen&Jessen (Malaysia)
- ~ Factory building extension and upgrading – Local contractor
- ~ Overhead crance – MHE-Demag/Maxitools
- ~ Factory building extension c/w M&E, with LPG piping system, Electric Power supply substation and Electric Generator – Local contractor
- 9) Proton CPS Aluminium Cylinder Head Low Pressure Die Casting
 - ~ Additional machine CAMPRO Line
 - ~ New Die/Mould model ~ Gifu Zeiki, Nagoya Japan
- 10) Line / Shop Improvement and shop facilities :-
 - ~ Dust Collector – Jebsen&Jessen (Malaysia)
 - ~ Fume collector - Disa/Jebsen&Jessen (Denmark / Malaysia)
 - ~ Hoist and structure for die exchange (500kg, 1.0tonnes, 2.0 tonnes) – MHE-Demag/Maxitools
 - ~ Belt Conveyor/slab conveyor - Malaysia
 - ~ Part cooling system and hot fume ventilation - Malaysia
- 11) Paper work & Proposal (Process , Project Planning, Cost Estimation and Proposal):-
 - ~ Aluminium Cylinder Head SENG Project for Proton/Lotus
 - ~ Low Pressure Aluminium Cylinder Feasibility Study - Toyota Model for Perodua Production
 - ~ Transmission case Aluminium High Pressure Die Casting-Toyota Model for Perodua Production
 - ~ Aluminium Cylinder Head Low Pressure Casting for V6 Engine – Lotus
 - ~ Aluminium Cylinder Head (4 cylinder)Low Pressure Casting – Ford

d) Production Engineer / Assistant Manager for

Production and Mould Maintenance of Aluminium Foundry Department (Gravity & Low Pressure)

(August 2005 – August 2008)

a) Duties and Responsibilities:-

Control and Monitoring Die and Mould operation activities of Die Casting Plant (Gravity & Low Pressure):-

- ~ Manpower control and supervising.
- ~ Planning and executing die and mould maintenance and repairing activities.
- ~ Determine, planning and handling shop improvement activities.
- ~ determine, planning and handling for quality improvement related to mould and die.
- ~ Budget preparation, presenting and reporting to management.
- ~ Die and mould parts procurement and ordering plan.
- ~ Reporting to top management for weekly department meeting

b) Project or Improvement Accomplish / Handle

- i) CO2 Dry ice cleaning system for Die and Mould - Karcher
- ii) In-house die/mould cavity repair and maintenance by TIG welding
- iii) Setup and establish CNC die/mould maintenance
- iv) In-house die/mould spare part fabrication with conventional & CNC machine
- v) Meiruka Maintenance Control System (Preventive & Corrective)
- vi) Plan, Purchase & Setup CNC Machine Center for Die Maintenance Complete with CAD/CAM system (For Upgrading skill & Capacity) - Until management proposal stages
- vii) Plan, Purchase & Setup of Plasma Welding Machine for die/mould cavity repair
 - Until management proposal stages

6.2 DELPHI PACKARD ELECTRIC (M) SDN BHD. – Chendering, Kuala Terengganu

Position: Product Development Coordinator (Asst Manager)/Application Engineering Engineer – (Automotive Industry – Electrical). **From September 2008 ~ July 2010.**

- i. Project Management - New product Introduction & Improvement for Proton Wire Harness Project & General Motor (Thailand)
- ii. Engineering coordinator for New Product & ECR : Drawing study for BOM preparation, Material & Component specification, prototype development, product inspection and New product/ECR introduction/production implementation.

6.3 HICOM DIE CASTING SDN BHD

Position : Manager (August 2010 ~ April 2012)

Production & Maintenance for Low Pressure Die Casting. As Head of Subsidiary Plant in Gurun Kedah. (Automotive Industries).

- i. Plant control & monitoring of manufacturing operation & performance (OEE), manpower, production & delivery planning.
- ii. Monitoring & improvement of Quality control, customer complain & improvement, Quality system & auditing (ISO/TS 16949)
- iii. Machine Maintenance of Mechanical, Pneumatic and Hydraulic system , Electrical & heating system, and refractories/insulation system. Autonomous Maintenance (TPM) and auditing.
- iv. Die maintenance (die part & cavity, die matching & die setting), new die trial-run and improvement.
- v. Implement & maintaining manufacturing system (TPM, 5S, ISO).

6.4 RWNA ENGINEERING SDN BHD.

Position : R&D Manager

May 2012 to August 2013 (Contract End)

Design & manufacturing (CNC machining) of Tooling & Machines for On-Site machining equipment (Oil & Gas Industries).

- i. Design (3D modeling & Drafting) by using Solidworks for rotating & stationary machines, tooling and jigs/fixtures.
- ii. CNC simulation & programming (MasterCAM)
- iii. Manufacturing of rotating & stationary machines, tooling and jigs/fixture by using Waterjet, CNC machining (3 axis & 5Axis), CNC lathe, Gear machining/hobbing, slotting, surface grinding, Cylindrical Grinding, bendsaw, Assembly & testing.

7.0 COMPUTER AND SOFTWARE

Microsoft office application (Word, Excel, Power Point)

Microsoft Project

AutoCAD

8.0 SALARY

Current Salary : RM7,500.00

Expected Salary : RM8,500.00 (Negotiable)