

# MOHAMMAD ADIL KHAN

Supplier Quality Engineer | Automotive HPDC & Machining

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 Open to Ludhiana, Punjab

## PROFESSIONAL SUMMARY

Supplier Quality Engineer with 3+ years of experience in the automotive manufacturing industry, specializing in aluminum high-pressure die casting (HPDC), machining, and supplier quality assurance. Strong hands-on exposure to supplier audits, APQP/PPAP, process validation, and customer complaint handling. Currently working on-site at Rockman Industries (via Brose India), supporting NPD, safe launch, and mass production quality. Well-versed in IATF 16949, structured problem-solving, and continuous improvement.

## PROFESSIONAL EXPERIENCE

### Residential Engineer – Supplier Quality (NPD & Mass Production)

Brose India Pvt. Ltd. (Deputed at Rockman Industries Ltd.) – Ludhiana | July 2025 – Present

On-site Supplier Quality Engineer supporting aluminum HPDC and machined automotive components.

- Conduct supplier process audits and ensure compliance with IATF 16949 and customer-specific requirements
- Lead PPAP activities including dimensional layout, capability studies (Cp/Cpk), and part validation
- Perform root cause analysis (8D, 5-Why) for internal and customer complaints to prevent recurrence
- Support NPD safe launch, ramp-up, and mass production quality stabilization
- Drive Kaizen and 5S activities to improve shop-floor quality discipline

### Trainee Quality Engineer

Jaya Hind Industries Pvt. Ltd. – Pune | Oct 2023 – Oct 2024

- Performed CMM and dimensional inspection of aluminum HPDC components
- Analyzed casting defects using visual inspection, X-ray, and spectro analysis
- Supported supplier audits, incoming quality control, and customer rejection reduction
- Maintained quality documentation including control plans and inspection reports

### Quality Inspector Trainee (NEEM Program)

Denso India Pvt. Ltd. – Noida | Aug 2022 – Sept 2023

- Conducted in-process and final inspections for BS6 starter motor assembly lines
- Supported supplier trials, defect containment, and assembly line audits
- Implemented Kaizen, 5S, and lean quality practices

## KEY SKILLS

Supplier Quality Audits

APQP, PPAP (Level 3)

PFMEA, Control Plans

Root Cause Analysis (8D, 5-Why)

Customer Complaint Handling & PPM Reduction

Aluminum HPDC & Machining

CMM, GD&T, Engineering Drawings

IATF 16949

Kaizen & 5S

## EDUCATION

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### B.Tech – Mechanical Engineering (2022)

*K.K. College of Engineering & Management, Jharkhand*

CGPA: 7.8 | Best Project Award

### Diploma – Mechanical Engineering (2019)

*Jharkhand University of Technology*

Distinction | College Topper