



SURAJ ASHOK KHUDE

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SUMMARY

Meticulous Quality Inspector with over 3 Years of practical experience in automotive and engineering sectors. Demonstrated expertise in CMM inspection, GRN lot inspection, and aluminum wheel quality assessments, complemented by strong proficiency in Head & Block inspection utilizing TPG/PPG gauges, visual checks, and dimensional validation. Skilled in defect analysis, inspection report preparation, and ensuring adherence to quality standards, recognized for precision, reliability, and dedication to fostering continuous improvement and zero-defect manufacturing.

SKILLS

- CMM operation
- Engineering drawing interpretation
- Dimensional inspection
- Geometric dimensioning and tolerancing
- Quality assurance documentation
- Problem solving
- Team collaboration
- Quality control procedures
- Inspection planning
- Quality inspection
- Decision-making
- Computer skills
- Continuous learning

EXPERIENCE

CMM Operator / CIEL HR Services Limited. (Taco Punch Powertrain Pvt Ltd)

12/2025 - Current

Incoming Part Inspection

- Performing dimensional inspection of dual clutch assembly components using CMM as per drawings and quality standards.
- CMM (Coordinate Measuring Machine) inspection to verify part specifications.
- Calibrated and maintained CMM machines for high-accuracy measurements
- Inspecting Dual Clutch Assembly parts such as Compensation Chamber, and clutch drum, pressure plate, housing, and shaft components using CMM.
- Coordinating with Production and Quality teams to resolve dimensional issues
- Understanding and applying GD&T symbols during inspection activities.

CMM Operator / Talent Flexiserv Global Pvt Ltd. (Tata Cummins Pvt Ltd)

03/2024 – 12/2025

Receiving Part Inspection – Engine Head & Block

- Performed gauge checking for engine head and block to ensure dimensional accuracy.
- Conducted CMM (Coordinate Measuring Machine) inspection to verify part specifications.
- Ensured compliance with quality standards and specifications.
- Calibrated and maintained CMM machines for high-accuracy measurements
- Maintained inspection records and collaborated with the quality team for corrective action.
- Conducted visual inspection of engine head and block to identify surface defects, cracks, and imperfections.
- Performed precision CMM inspections on cylinder heads and blocks to ensure compliance with engineering standards
- Performed visual inspections of cylinder heads and blocks in large batches (GRN Lots)
- Performed dimensional inspections using CMM, calipers, and TPG And PPG Gauge.
- Executed visual inspections of heads and blocks to ensure quality compliance
- Operated Coordinate Measuring Machines to ensure precision in component measurements.
- Documented measurement results and maintained records for quality assurance
- Attended and supported Defect Feedback Reports (DFR) for Head & Block parts after Final PDI hold, contributing to defect analysis, corrective action, and quality improvement initiatives.

CMM Operator / Reliable HR Solution. (Maxion Wheels Aluminum Pvt Ltd)

05/2022 - 08/2022

- Conducted CMM inspections on over 20 aluminum wheels per shift, ensuring dimensional precision.
- Provided critical feedback to production teams for maintaining zero-defect delivery.
- Operated Accurate CMM machine for precise aluminum wheel inspections in the CMM Inspection Department.
- Inspected 20+ aluminum wheels per shift using the Accurate CMM machine, guaranteeing precision
- Managed aluminum wheel assessments within the Machine Shop's CMM Inspection Department.

- Operated advanced metrology equipment: ZEISS CMM PRISMO Ultra, ZEISS O-INSPECT, ZEISS RONDCOM, ZEISS SURFCOM, ZYGO 3D Optical Surface Profiler, LINK Spring Load Tester, ZEISS Microscope, MAHR Marsurf Contour, and WEBSCAN.
- Applied expertise in Geometric Dimensioning & Tolerancing (GD&T) and interpreting engineering drawings.
- Performed receiving inspection of components at goods receipt stage to verify dimensional accuracy and quality compliance.
- Utilized First Principal measurement techniques with tools including Werth, profile projector, Vernier calipers, micrometers, height gauges, and other precision instruments.
- Ensured document control and compliance for control plans, process plans, and check sheets.
- Investigated and reviewed quality issues raised by production/plant quality teams in alignment with drawings and standards.
- Managed all metrology-related inspections to ensure production line quality and consistency.
- Prepared and released daily reports on GRR rejection and assembly line rejections to support corrective actions.

EDUCATION AND TRAINING

- **Diploma In Mechanical** 06/2019
College of Engineering, Phaltan - Phaltan
- **HSC Science** 02/2017
Yashwantrao Chavan Jr College of Phaltan - Phaltan
- **SSC Semi-English** 03/2015
Nirgudi High School Nirgudi- Nirgudi

PERSONAL DETAILS

- **Date of Birth:** 18 August 1999
- **Permanent Address:** A/P Nirgudi, Tal-Phaltan, Satara – 415523, Maharashtra
- **Languages Known:** English, Hindi, Marathi
- **Marital Status:** Unmarried

Declaration: -

I hereby declare that the above information provided by me is correct as per my knowledge and Belief.
Thank you

Date:

Place: - Phaltan

Signature
(Suraj Ashok Khude)