

ROBERT G. DOCKSTADER

CERTIFIED SIX SIGMA BLACK BELT SENIOR MANUFACTURING ENGINEER

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Professional Profile

Diverse **engineering professional** with over 35 years of experience involving Tool and Die and Pattern construction, Weld Tool construction, Assembly Plant Body Shop Tool certification, Dimensional Analysis and manufacturing support. I am Skilled at designing extensive quality control analysis procedures for **General Motors, DaimlerChrysler and Chrysler LLC** while directing supplier engineering and documentation (**GD&T**) efforts and Tool and Die Validation.

Core strengths:

Product Design/Quality	Design risk assessment	Internal/External Consulting	Root Cause Analysis
MSA data analysis	Statistical analysis	Tolerance stack up analysis	Manufacturing Support
Tool and Die Follow-Up	Six Sigma Process Validation		

Recent Key Accomplishment

Project: Design Condition Analysis / Dodge Ram Interior Trim

- **Dimensional Launch support** using GD&T, Creation of Build Objectives, Tolerance Stack Analysis, Interior Build Quality Evaluation, Checking Fixture Validation, Part Data Validation

Project: Develop the First Design Measurement of Full Interior Build in the Truck Group.

- **Build and Measure Complete Interior in Interior Engineering Fixture-** Complete build up of all Interior Trim parts in a Quality Assessment Fixture and Measurement of All Fit Finish Build Objectives in Design Nominal State

Employment History

Chrysler LLC

2000-Present

Interior Quality/Dimensional Control Engineer Jeep/Truck Group

Establish and coordinate interior trim build objectives (customer expectations) with tolerances and process capability. Identify high risk design conditions using tolerance stack up, or VSA modeling analysis and communicate these conditions to design responsible engineers and recommend appropriate design changes. Manage and lead vendors' Dimensional Control staff to provide Chrysler with clear and consistent **GD&T (ASME Y 14.5M – 1994)** documentation. Strive to achieve build objectives with dimensionally capable designs. Ensure that GD&T, gage design, and build have been coordinated. Review GR&R (Measurement System Analysis) and determine if poor GR&R is the result of gage shortcomings or that of product design, (non robust locating features). In this position I am required to approve all RWD Interior Trim GD&T, gage designs, and builds. During PPAP phase; I must sign off on final GD&T documentation based on inspection data analysis. During prototype and production phase, track non conformance issues from Customer Satisfaction Auditors and support product engineers in root cause analysis efforts. Monitor build data on vehicles in production to support continuous improvement efforts by Supplier Quality Engineers.

I have additional training from the Chrysler Quality Institute and General Motors that includes:

General Supervisor Training, Applied statistics, SPC, DFMEA, PFMEA, Design for Manufacturability, Capability Analysis, Measurement Systems Analysis, Tolerance Stack Analysis, Synchronous Manufacturing, GD&T, Advance GD&T for Sheet Metal and Flexible Parts, Gage R and RR, Design for Six Sigma, Crosby Quality College, Design of Experiments, Change Management, Product Development, FARO CMM Certification, Quality Manager Training, Material Cost Management

Pertinent Experience Prior to 2000

General Motors Corporation

1969 to 2000

Pattern, Tool and Die, Weld Fixture, and Check Fixture Construction

Fisher Body Tool and Die and Quality Control

Plant Quality Assurance Engineer

General Supervisor, Quality Control

Area Manager, Die Management Group, GM Mansfield,

Group Lead and Manager, Functional Evaluation, Warren Mi

Quality Measurement Control

3/2000 to 10/2000

EDUCATIONAL BACKGROUND

Fisher Body Division, General Motors Corp.

Journeyman Patternmaker

1974

Capital University, Columbus Oh

BA Business Administration

1987

Ashland University, Ashland Oh

MBA Executive Management

1994

American Society for Quality

Six Sigma Black Belt Certification,

2008