

DIMENSIONAL MANAGEMENT (DIM)

CONSISTENCY FROM CONCEPT PHASE TO SERIES PRODUCTION



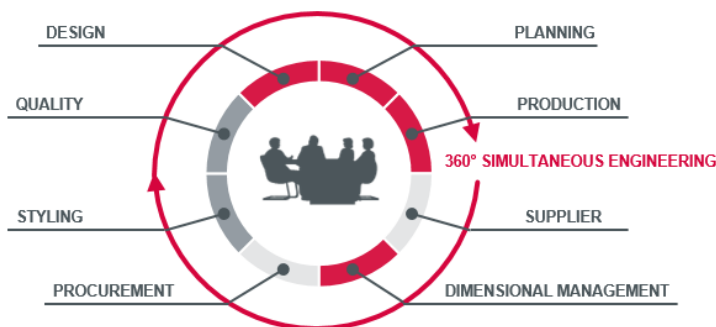
YOUR GLOBAL MOBILITY ENGINEERING EXPERTS

Dimensional management is a **preventive** quality method in vehicle development to ensure compliance with functional and visual requirements. The primary goal is to achieve **high product quality** (which is now taken for granted) **without rework**.

On the other hand, there is the **ever-increasing cost and deadline pressure**, which should be kept as low as possible. For this purpose, dimensional management is started early during the **product development process (PDP)** and the findings are **detailed** and supplemented by **activities in the course of time**.

This ensures that the **maximum part tolerance** can be used to ensure **compliance with the geometric specifications**.

Our mode of operation:



Our area of product quality:

- Definition of technical requirements:
 - Gap and flush plan
 - Functional dimensions
- Visualization
- Alignment system definition
- Tolerance definition (ISO-GPS and ASME standards)
- Tolerance simulation
 - 1D/2D tolerance calculation/simulation
 - 3D tolerance simulation
- Product and process optimization
- Measurement planning
- Production control and error analysis
- Training courses on geometric dimensioning & tolerancing (GD&T)

The advantage to you is obvious - the high, reproducible geometric quality of your products.

Contact

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