

Paulo Henrique Ungaretti

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Objective: Work as Product Development Craftsmanship/GD&T manager.

Summary

- A specialist in tolerance management during product development, focusing on appearance Fit & finish, and perceived quality.
- More than 16 years acting as a Craftsmanship analyst and Dimensional Systems/GD&T Specialist.
- During this period supported 8 vehicle programs for North and South America, for Ford and Lincoln brands.
- Acting since 2012 as a Ford-certified GD&T instructor for South America, and recognized as a GD&T specialist inside Ford for the region.
- Providing full tolerance management support for engineering, manufacturing, and suppliers, in all product development phases, from concept definition to production launch.
- In the last year, acting as the overall coordinator of new integrated Craftsmanship + Dimensional Systems/GD&T implementation in the South America region, replicating the USA methods and work structure.

Experience

- **Craftsmanship and dimensional systems/GD&T team coordinator - Ford Brazil (NOV 2022- PRESENT)**
Ford South America's new team implementation, integrating Craftsmanship and Dimensional System/GD&T activities on the same group. Full coordination and launch of the new team with managers. Headcount definition, people selection, interviews, members integration, cascades, training, and workload follow-up. 10 members selected, prepared, and work integrated with the Ford North America tools and management methods.
- **Craftsmanship senior product analyst - Ford Brazil (OCT 2018-NOV 2022)**
Lead full Exterior Craftsmanship execution on Ford Brazil and USA programs development: Target settings and competitors' benchmarks. Appearance fit & finish target definition, focusing on customer's perceived quality. Crafted quality audit validation in virtual and physical environments. Feasibility lead for appearance issues resolution during the virtual development phase. Pre-production sign-off on appearance parts, and leading craftsmanship launch issues resolution.
- **GD&T & dimensional systems product analyst - Ford Brazil (JUN 2007-OCT 2018)**
Lead dimensional management and tolerancing of new program development focusing on Appearance validation. Tolerance analysis specialist using statistical simulation tools - DVA/VisVSA, RSS Stack-Ups, Monte Carlo method. Final product GD&T definitions and engineering drawings sign-off to achieve tolerance requirements. Approval of supplier's & manufacturing control plans (SPC) linked with released GD&T. Fixtures and gauges locating strategies, datums, and control points sign-off for appearance-related parts, linked with GD&T and defined control plans. Root-cause investigation specialist for

dimensional-related issues during launch phases.

Skills

Team coordination, GD&T standards and concepts, GDT Instructor, Crafted Quality execution & audits, Statistical tolerance simulation (DVA-VSA), Statistical tolerance and production data analysis (Minitab), SPC fundamentals, 6-Sigma Black-belt training, Checking fixtures and gauges development, Dimensional-related problem solving, Catia V5 drafting/GD&T application.

Education

- **Senai Cimatec University Center - Salvador-Bahia-Brazil**
Post-graduation: Master of Technology and Innovation (MARCH 2019-2020)
- **Faculdade de Tecnologia de São Paulo - FATEC São Paulo-Brazil**
Bachelor's degree, Technologist Electric/Mechanic (JULY 2001-MAY 2005)

Languages

English: Full Professional Proficiency

Portuguese: Native or Bilingual Proficiency