

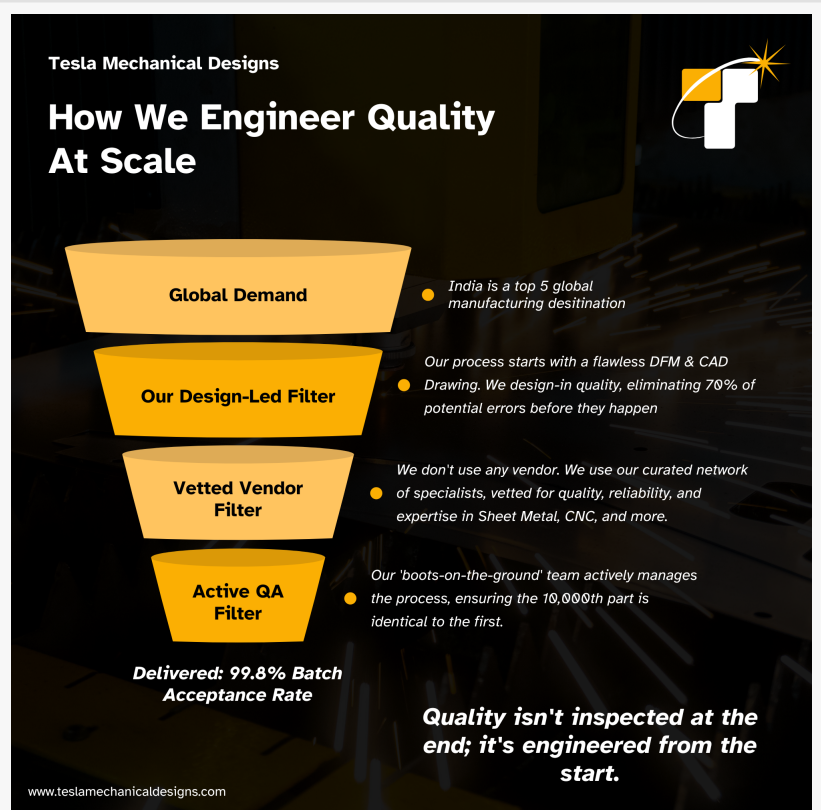
Tesla Mechanical Designs 'Built in India, Backed by Excellence' Model Deliver Vetted Quality at Scale for Global Clients

Firm's combination of design-led DFM & rigorously curated vendor network provides global companies with de-risked, high-quality gateway to Indian manufacturing.

CA, UNITED STATES, November 7, 2025 /EINPresswire.com/ -- Tesla Mechanical Designs is providing a solution to one of the biggest challenges in global manufacturing: scaling production in a new region without sacrificing quality. The firm's "Built in India, Backed by Excellence" model leverages its deep engineering expertise and a rigorously vetted local vendor network to provide global companies with a reliable, high-quality gateway to Indian manufacturing. This approach shifts the firm's role from a design consultant to an end-to-end Manufacturing Services partner, ensuring that product quality remains immaculate from prototype to mass production.

Many global companies successfully create prototypes, only to see "quality fade" when they attempt a full-scale production run. Tolerances soften, materials are substituted, and the final product fails to meet the original design intent. This problem is exacerbated when managing an offshore supply chain, where communication barriers and a lack of on-site oversight can result in costly errors and delays.

Tesla Mechanical Designs solves this by acting as the single source of truth and the client's "boots-on-the-ground" quality champion.



How We Engineer Quality At Scale

The company model is not just about finding any supplier; it's about managing a curated network of proven, specialized vendors in areas such as sheet metal fabrication, complex CNC Prototyping, and Custom Manufacturing. This network is held to a single, uncompromising standard of quality, enforced by the firm's engineering-first process:

Quality is designed-in, not inspected-on. Firm's [Mechanical Drafting Services](#) produce immaculate Mechanical Drawings and 3D models. This precision CAD Drafting serves as an unambiguous "contract" for the vendor, leaving no room for misinterpretation.

“

Global clients want Indian manufacturing, but they fear risk. We are their expert on the ground, embedding quality from the CAD file to the final crate."

*Kuldeep Gajjar, Director, Tesla
Mechanical Designs*

identical to the first.

This integrated model allows global clients to confidently leverage the power and scale of Indian manufacturing, all while being protected by Tesla Mechanical Designs' rigorous, design-led quality control.

The Difference is Management: De-Risking Your Global Manufacturing

Direct Sourcing

- ✗ **>40%** Risk of Quality Fade at Scale
- ✗ **2-3 Month** Delays (Avg. for re-tooling/rework)
- ✗ **>35%** Budget Overrun (From errors & scrap)
- ✗ **Multiple** Points of Contact (High-risk communication)

Tesla Mechanical Designs Managed Network

- < **1% Quality Fade** (Guaranteed by DFM) ✓
- On-Time Delivery** (Proactive Workflow) ✓
- On-Budget** (Errors Eliminated at Design) ✓
- 1 Point of Contact** (Seamless Communication) ✓

www.teslamechanicaldesigns.com

The Difference is Management: De-Risking Your
Global Manufacturing

About Tesla Mechanical Designs
Tesla Mechanical Designs is a premier engineering and manufacturing partner for global companies. The [engineering and automation firm](#) acts as the strategic bridge between world-class design and high-quality, scalable manufacturing. The firm's mission is to provide a single, reliable gateway to the best of Indian manufacturing, de-risking the entire process through rigorous vendor curation, meticulous DFM, and active on-site quality management, ensuring all products are "Built in India and Backed by Excellence."

Divya Dave

Tesla Mechanical Designs

+1 214-699-6163

[email us here](#)

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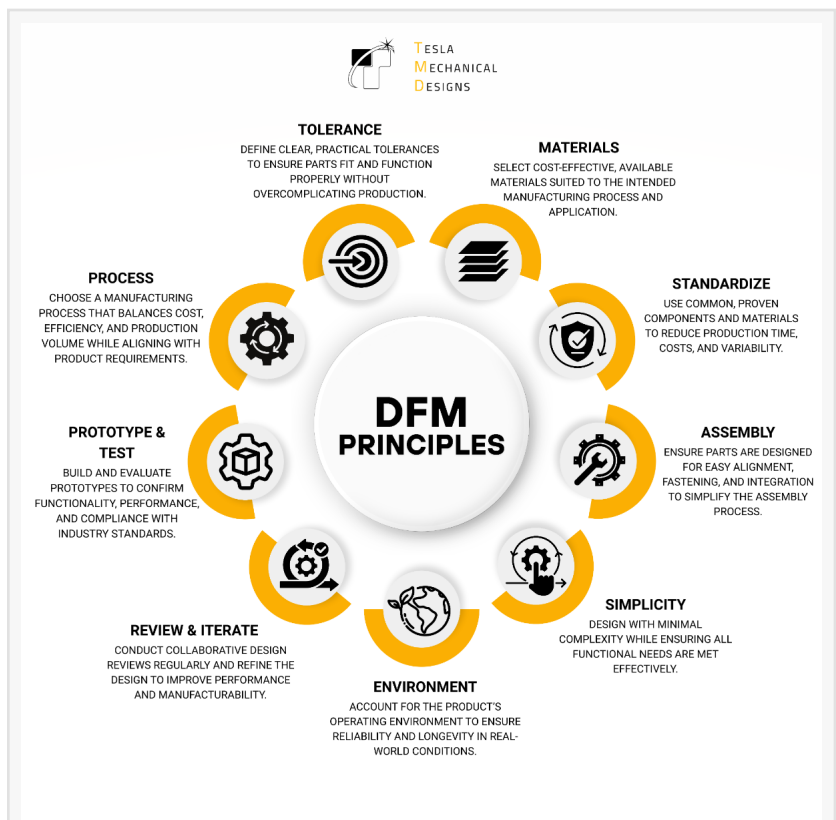
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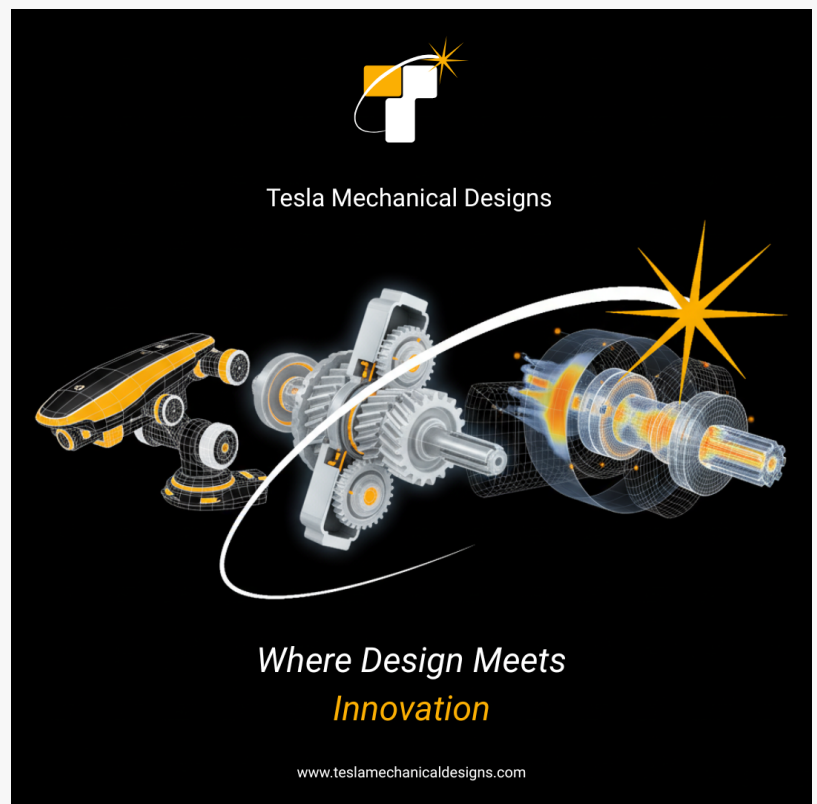
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Tesla Mechanical Designs - DFM Core Principals



Tesla Mechanical Designs - Where Design Meets
Innovation - Sketch-to- Shelf

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