



**PEAK**  
Launching the Next Generation  
of Manufacturing Technology

# Design for Manufacturing

(DFM)

**Formats Accepted:**  
STEP, STP, IGES, SAT

**Support Includes:**  
Prototyping, fixturing,  
design simplification

**Cross-Compatible  
With:** Additive,  
subtractive, welding,  
and polishing  
processes

**Ideal For:** Startups,  
R&D teams, OEMs  
scaling new products



## Overview

Too often, parts are designed in isolation from the realities of production—leading to delays, rework, or cost overruns once manufacturing begins. Engineers and R&D teams face intense pressure to move quickly, but without early manufacturability input, their designs may require redesigns due to material constraints, tolerance stacking, or tooling limitations.

Many vendors are purely reactive, offering no upfront guidance. Peak's customers—from startups to global OEMs—need a proactive manufacturing partner who helps ensure their designs are both innovative and buildable from the start.

## Solution

Peak Technology offers hands-on Design for Manufacturing (DFM) services to help customers optimize parts before production. Our engineering team works collaboratively with clients during prototyping, development, and pre-production phases to identify potential risks, simplify geometries, recommend materials, and reduce cost without sacrificing performance. With expertise spanning additive, subtractive, forming, and fabrication, we ensure your design is tailored for manufacturability across multiple processes—all in our vertically integrated operation.

- **Early Design Consultation** – Identify tolerance risks, tooling needs, and cost drivers before a part hits the shop floor.
- **Cross-Process Optimization** – Recommendations consider CNC, forming, 3D printing, welding, polishing, and assembly impacts.
- **Tooling & Fixturing Support** – In-house development of custom tools, jigs, and fixtures to support production efficiency.
- **Integrated with CAD Workflow** – Accepts STEP, STP, IGES, and SAT files with real-time design feedback available.

Peak Technology Enterprises is a woman-owned precision manufacturing company based in San Jose, CA, offering **additive** and **subtractive** manufacturing, engineering support, system integration, and full assembly services. With over **60 years of experience** and **ISO 9001 certification**, Peak partners with **global OEMs** and innovators to deliver high-performance components and complex builds—on time, on spec, and on budget.