HCLSoftware

HCL DFMPro Machining Insights

Machining Insights: Unlock Contextual Machining Intelligence.

HCL **DFMPro**

Overview

Beyond rigid GO/NO-GO rules. DFMPro delivers contextual machining intelligence directly in your native CAD, revealing manufacturability bottlenecks early so teams can optimize setups, tooling, and costs before production.

Key Capabilities

Contextual Analysis

Multi-variable trade-offs reduce false positives and capture real manufacturing context.

Tool Access & Reachability

Detect clearance issues, cavity depth constraints, and feature complexity.

Setup & Tooling Optimization

Identify geometric bottlenecks and redundant tool changes to streamline setups.

Automated DFX Scoring

Clear Manufacturability Score with feature-level flags for early feedback.

Supported Environments

Target Industries

- Aerospace & Defense
- Medical Devices
- Industrial Manufacturing Automotive
- High-Tech Electronics

How It Works

Design as Usual
Work in your native CAD tool. No exports required.

Run Instant Analysis
Evaluate geometry against real machining constraints.

Act on the Score
Resolve high-cost features before production.

Key Benefits

Faster Time-to-Market
Catch issues early in design, not in production.

Reduced Friction
Bridge CAD and shop floor collaboration.

Lower Costs
Minimize setup changes and custom tooling.

Get early access