

Get Early Visibility into Manufacturability & Product Cost



HCL DFMPPro

Deliver High Quality Product Designs Faster at Lower Costs

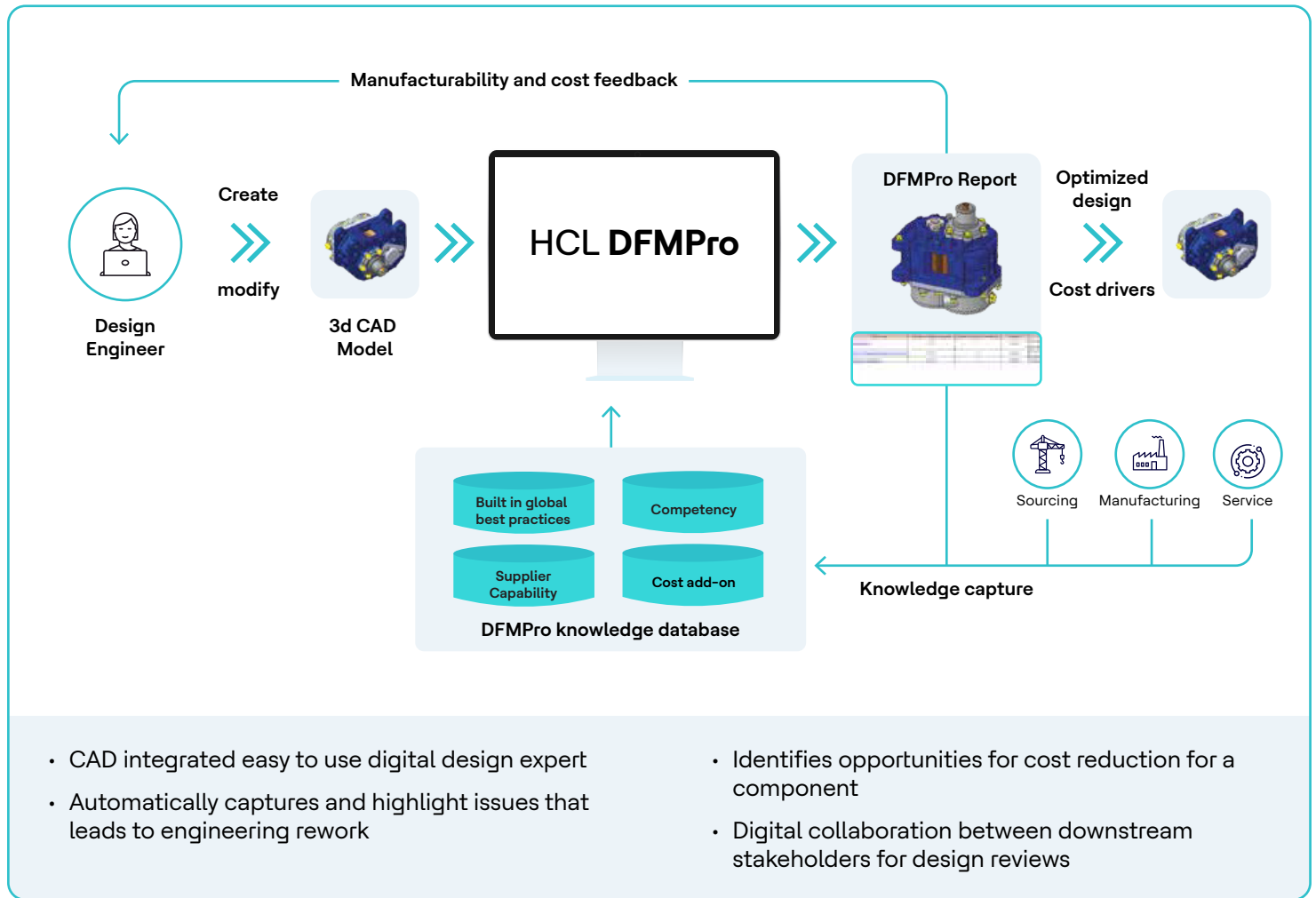
Product design as a function across industries is undergoing significant transformation, driven by an increasing focus on efficiency and cost reduction. Global successful companies are adopting advanced software solutions to streamline design processes and enhance collaboration among teams. However, challenges persist, including the integration of these tools with existing systems and the demand for engineers skilled in design principles. Additionally, as the manufacturing sector embraces digitalization, organizations must navigate complexities related to data management and cybersecurity. To succeed in this competitive landscape, businesses must leverage innovative technologies while addressing these challenges to optimize product design and improve manufacturing outcomes.

HCL DFMPPro is an easy-to-use CAD-integrated Design-for-Manufacturing (DFM) software. It identifies & provides recommendations to resolve potential downstream manufacturing issues.

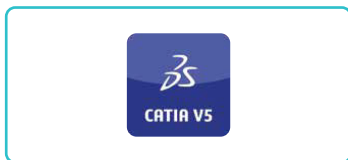
DFMPPro is well integrated within CAD platforms like Creo Parametric, SOLIDWORKS®, NX and CATIA V5 which ensures that users are able to identify and rectify design for manufacturing checks within their own CAD platform.

| Product Design Challenges | HCL DFMPPro Benefits |
|--|--|
| Overwhelming engineering change orders (ECO ECN) | Captures design issues early and reduce engineering rework |
| Product cost escalations and depleting margins | Understands opportunities for cost reduction right at design stage and save cost |
| Product launch delays | Avoids late stage engineering changes and time-consuming rework |
| Dispersed organization knowledge | Captures best practices and bring in standardization in design review process |

HCL DFMPPro – A Digital Design Expert



HCL DFMPPro Supports Various CAD Platforms



DFMPPro for
CATIA V5



DFMPPro
for NX



DFMPPro
for CREO

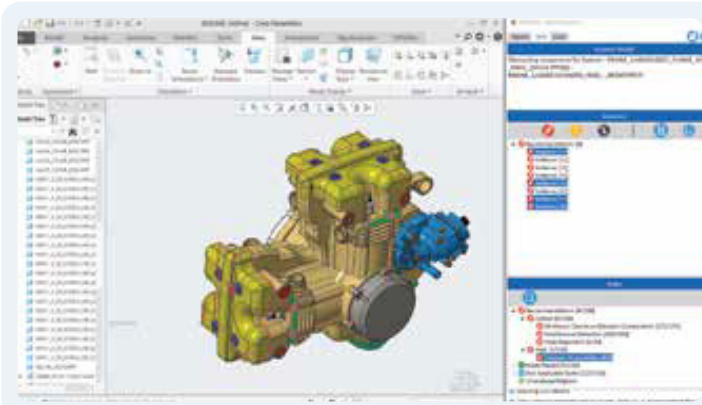


DFMPPro for
SOLIDWORKS

Request Demo

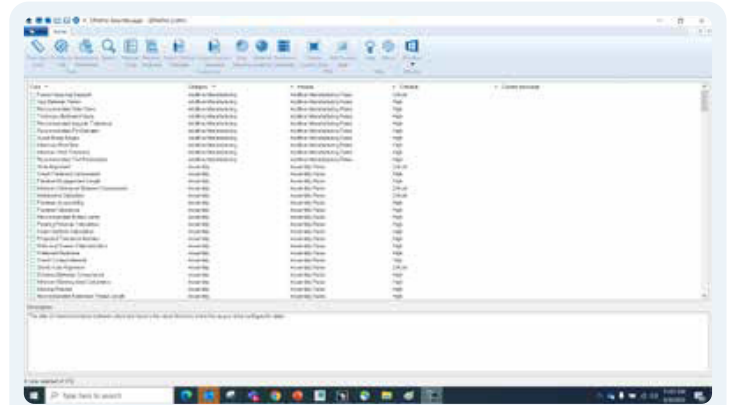


Easy and Powerful DFM Software to Drive Measurable Results Fast



Automates the DFM Review Process

- DFMPro automates and formalizes the design review process
- Seamlessly integrated inside DS CATIA V5, PTC CREO Parametric, Siemens NX, and SOLIDWORKS®



Rule Manager

- Selects and configures organization specific guidelines as design rules
- Brings standardization in design review process

Industry Best Practices



Engineering best practices



Supplier capabilities



Standardization requirements

Organization Best Practice Knowledge Capture and Dissemination



Sourcing



Manufacturing



Service

Enables Best Practice Knowledge Capture and Dissemination

- Customizable framework to capture in-house best practices, tribal knowledge and industry standards
- Facilitates continuous design improvements and knowledge retention of retiring workforce

Enterprise Systems



DFMPro Solution



3D model



Input



Best Practices



Output



DFMPro recommendations

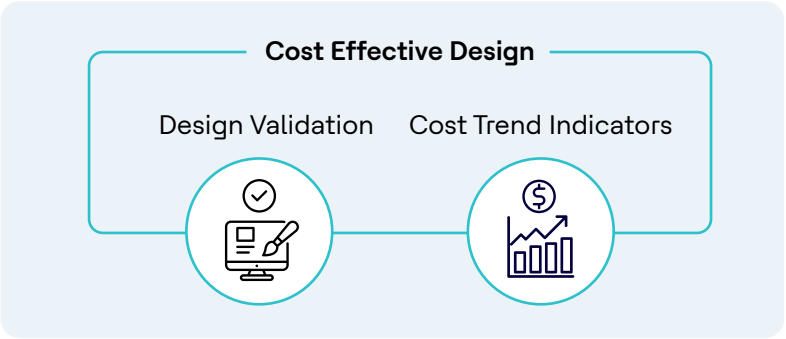
Easily Integrates Into Existing Enterprise Infrastructure

- Integrates easily with PLM, ERP, and MES systems
- Scalable framework for capturing and disseminating manufacturing knowledge upstream

DFMPro Cost Add on

DFMPro cost add-on provides early cost visibility to design engineers right from when designs are getting created.

- Evaluates design choices based on material, features, geometry & manufacturing regions
- Identifies expensive design features impacting cost due to manufacturability and get recommendations for cost reduction
- Tracks the cost as designs are getting created
- Applies standardization and component re-use



DFX Analytics

DFX platform offers DFX Analytics as one of the solution for customers to get visibility of various parameters to check overall product design efficiencies



DFX Server Solution

HCL DFX Server Solution is an extended capability of HCL DFMPPro for customers who face challenges related to rework, cost, and quality for large assemblies. With DFX Server Solution, designers can check the impact of part and sub-assembly level changes on higher modules and assemblies prior to submitting their designs in an offline mode on the server. As a result, large assemblies that would have been excluded from an automated DFMPPro analysis earlier are now included right at the design stage. DFX Server Solution benefits include:



Runs multiple analysis request simultaneously



Timely design validation for downstream issues

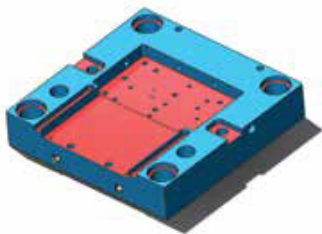


Uninterrupted workflow for designers



Access to dashboard in DFMPPro add-in

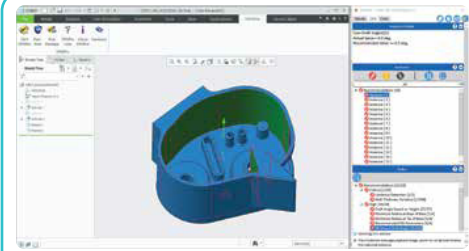
HCL DFMPPro Supports all Manufacturing Processes



Machining



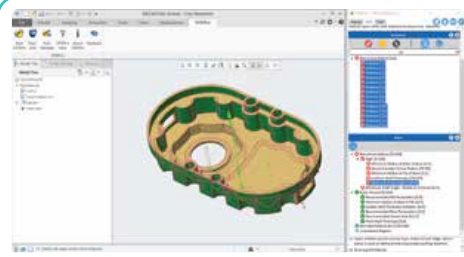
Sheet Metal



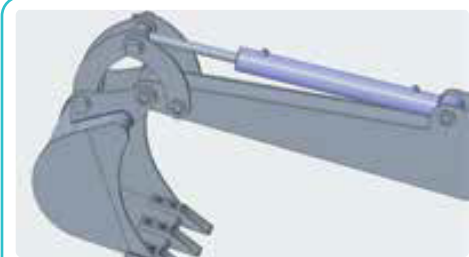
Injection Moulding



Assembly



Die Casting



Welding

+ many more

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In our organization, time to market is of utmost importance besides other factors. HCL DFMPPro product enabled us to digitize the design rules for a quick & timely feedback.

Apart from sets of standard design guidelines in the DFMPPro, we partnered with HCL to add Cisco specific design rules that caters to our organization. DFMPPro is the only automated tool for Design for Manufacturability (DFM) analysis besides input from manufacturer or analyzing parts manually. We have DFMPPro configured for Sheet Metal, Plastic & Die-cast parts to ensure that the parts are designed for manufacturability.

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For more information



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Scan this QR code to know more



About HCLSoftware

HCL Software is a global leader in software innovation, dedicated to powering the Digital+ Economy. We develop, market, sell, and support transformative solutions across business and industry, intelligent operations, total experience, data and analytics, and cybersecurity. Built on a rich heritage of pioneering spirit and unwavering commitment to customer success, we deliver best-in-class software products that empower organizations to achieve their goals. Our core values of integrity, inclusion, value creation, people centricity, and social responsibility guide everything we do. HCL Software serves more than 20,000 organizations, including a majority of the Fortune 100 and almost half of the Fortune 500.