

CATIA V5 NC Manufacturing

Taking productivity to a higher level



“CATIA V5 is by far the best system on the market today because it allows us to integrate design, technology and special features to produce the indoor and outdoor appliances that our customers want. Plus, data migration from CATIA V4 to CATIA V5 is automatic and rapid.”

*Ove Palmberg, Senior Project Manager,
Electrolux Group*

Highlights

- ***Experience capabilities that go beyond existing NC Manufacturing applications***
- ***Benefit from advanced machining operations, knowledge integration, and enhanced process quality***
- ***Flexible packaging allows your NC Manufacturing solution to be tailored to your specific needs***
- ***Capture your manufacturing know-how, integrate it into the system, and allow for future reuse***

What is CATIA V5?

CATIA® Version 5 (V5) is the leading product development solution today. V5 represents the first of the new wave of enterprise computer-aided design, manufacturing and engineering (CAD/CAM/CAE) systems, built on next generation technologies and standards to exploit the Web.

Many companies, large and small, are now making the transition to V5 (partially or completely), eager to reap the benefits of the latest CATIA release. Compatibility between V4 and V5 means you can start taking advantage of the advanced technologies of V5, while preserving your investment in V4. Start thinking about migration now, and discover how your organisation can benefit from this leading edge technology.

CATIA V5 NC Manufacturing product portfolio

The CATIA V5 NC Manufacturing product portfolio brings forward the very best of the V4 capabilities, which have been enhanced and developed for V5. The completeness of its product portfolio, coupled with the easy-to-use, knowledge-based V5 architecture, means CATIA V5 NC Manufacturing far exceeds the capabilities of existing NC Manufacturing applications to date.

Experience the benefits of CATIA V5 NC Manufacturing

The CATIA V5 NC Manufacturing product portfolio offers:

- ***Ease-of-use:*** an intuitive user interface makes using and learning NC Manufacturing easy.
- ***Increased productivity in part programming:*** enhanced machining operations with

multipass and multilevel support, and automated rework in roughing and finishing allow for increased productivity.

- **Optimised tool path and reduced machining time:** new machining operations, including Z-level Milling, Spiral Milling and 5-axis Flank Contouring, and advanced high-speed machining (HSM) support, allow for tool path optimisation and a reduction in machining time.
- **Flexible management of tools, feeds and speeds:** tools, feeds and speeds are stored in file-based tool catalogues or in external tool databases, allowing for flexible management.
- **High level of automation and standardisation:** capture and reuse of proven manufacturing know-how, and integration with CATIA knowledgeware, supports the automation and standardisation of processes.
- **Enhanced quality:** extended tool path verification capabilities, including integrated material removal simulation, and machined part analysis, help ensure quality is maintained at a high level.
- **Efficient change management:** a high level of associativity between product engineering, manufacturing processes and resources ensure efficient change management.
- **Reduced programming time:** programming time is kept to a minimum thanks to substantial performance improvements in tool path computation.
- **Reduced costs:** less expensive hardware platform (Microsoft** Windows** support) means reductions in cost.

- **Skilled support:** IBM and our Business Partners offer full support to help you both in V4 to V5 migration, and in choosing the NC Manufacturing solution configuration to suit your needs.

Explore the opportunities

Flexible packaging makes it easy to select the CATIA V5 solution best suited to your usage profile and process requirements. Predefined configurations, which include selections of products targeted at specific tasks or processes, help to create a tailored solution to meet your needs.

Make sure your organisation is a part of CATIA V5 – make the transition and take advantage of the enhanced capabilities of the world's most innovative CAD/CAM/CAE system.

For further information

IBM Global Services, provides a robust portfolio of offerings to ensure a smooth implementation of CATIA V5 in your current environment.

For further information on V4 to V5 migration, or the CATIA V5 NC Manufacturing product portfolio, please contact your IBM, or IBM Business Partner, representative.



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