TAKE YOUR SHOPFLOOR INTO THE 21st CENTURY
Get CAMWorks ShopFloor Today!

CAMWorks ShopFloor provides state-of-the-art digital tools for machinists to leverage digital machining data in part models, reducing errors and improving communication between CNC programmers and shop floor machinists.

This allows companies to move beyond traditional methods and meet Smart Manufacturing and Industry 4.0 initiatives, as well as improve quality, increase productivity and reduce the number of needed CAD/CAM software licenses.

CAMWorks ShopFloor Benefits

- Improve Communication with the ShopFloor Using Digital Technology
- Virtually Check Programs on the Shop Floor
- Reduce Setup Time
- Increase Production and Reduce Delivery Time
- Improve Quality and Consistency
- Avoid Machining the Wrong Revision of the Part
- Avoid Costly Collisions
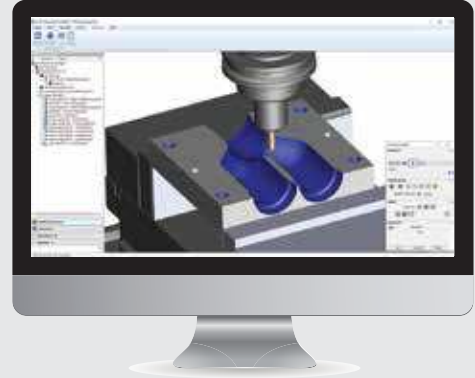- Reduce Downtime & Maintenance Costs

Smart Manufacturing – Industry 4.0 Digital Container

CAMWorks ShopFloor makes all the manufacturing data available to the shop floor in a digital format, under one single interface.

CAMWorks ShopFloor Gives You Tools to be Competitive by Utilizing Today's Digital Technology

▶ 3D Viewing of the Part and Assembly Model of the Setup
  - Rotate, Zoom, Pan and Section View the Model
  - View, Search and Filter MBD & PMI Data
  - Take Linear, Radial, Angular, and Area Measurements

▶ Digital Setup Sheets & Tool Lists

▶ Step-Through Simulation for Each Operation or the Entire Program

▶ Full Toolpath Simulation

▶ Robust CNC Editor with Back-plotting

Comparison of Collaboration Process with & without CAMWorks ShopFloor

	Functionalities	Current collaboration process without CAMWorks ShopFloor	Collaboration process with CAMWorks ShopFloor Application
1	Step through Toolpath	✗	✓
2	Toolpath Simulation	✗	✓
3	Setup Sheets	✓	✓
4	3D View of the part model	✗	✓
5	Navigating the part model using view options such as Rotate, Zoom, Pan, Section Views, etc.	✗	✓
6	Dimensional information (GD&T) and Annotations of the part model	✗	✓ **
7	Viewing and editing G-code	✓ (Only 3rd Party Editors)	✓ (In inbuilt CAMWorks NC Editor)
8	View impact of editing G-code	✗	✓

** Dimensional information & Annotations are available only for the native part models created in SOLIDWORKS/ CAMWorks Solids

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