

PartMaker

MILL

PartMaker Mill gives you what you really need from a CAM system – the ease of use to program your parts quickly with the power and flexibility to handle even the toughest jobs. PartMaker applies a Knowledge Based Machining approach to capture your shop-specific knowledge about feeds and speeds, tooling and repetitive processes to speed programming. This approach allows the software to calculate and display a cycle time for each job. PartMaker’s Windows developed user interface has easy-to-follow graphics to guide you through every step of programming a part. PartMaker’s Visual Programming Approach makes the software quicker to learn and easier to use. By generating edit-free CNC programs the first time and proving out the results on screen with PartMaker you will reduce programming and set-up time resulting in a significant savings of time and money!

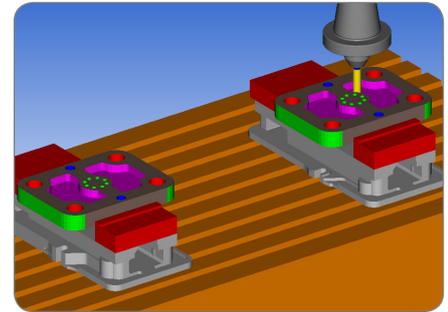
“We did more with PartMaker Mill in one afternoon than we did with our previous CAM system in 10 years.”

Steve Barrows

Precision Metal Machining Inc.

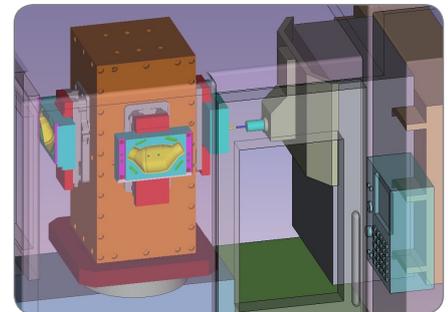
2.5 Axis Milling

PartMaker Mill’s 2.5 Axis Milling module automates hole making operations such as drilling, tapping, reaming and thread milling by determining hole depth automatically. It calculates tool paths for contouring and pocketing with any number of islands. PartMaker Mill uses a unique Windows-based approach to automate multi-piece setups and multi-sided milling.



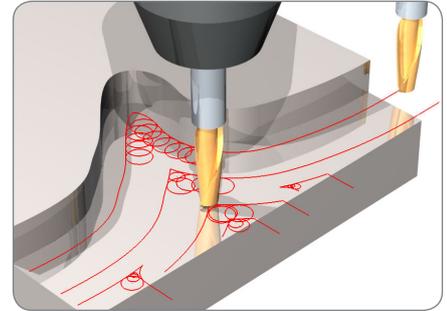
3D Surface Machining

PartMaker’s powerful 3D Surface Machining Wizard (SMW) allows the user to easily machine complex 3D surfaces with a variety of machining strategies including Roughing, Finishing, Remachining and Tool Path Projection. PartMaker’s SMW software employs powerful algorithms that measurably cut down the time required for manufacturing parts. The SMW module automates the programming of 3D surface machining operations making it very easy to use.



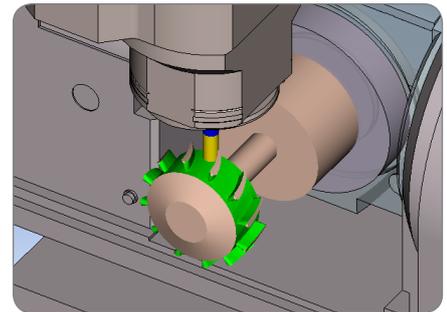
Advanced Milling Toolpaths – High Speed Machining Made Easier

PartMaker's Advanced Milling Toolpaths (AMT) module makes utilizing the most cutting-edge high speed machining tool paths easier. With AMT you can take advantage of Delcam's industry leading high speed machining algorithms presented in PartMaker's renowned easy to use interface. AMT lets you apply powerful high speed machining techniques like Trochoidal Milling and Toolpath Smoothing as well as other advanced milling strategies such Rest Area Machining.



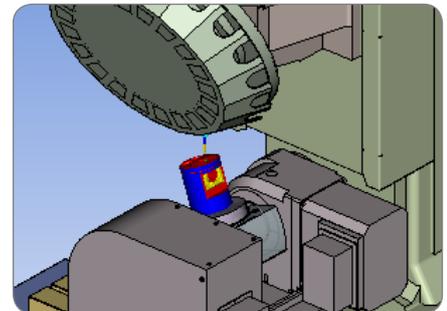
Production Milling Module – For 4th & 5th axis Mills and Horizontal Machining Centers

PartMaker's Production Milling Module (PMM) supports the programming of multi-axis milling machines including vertical machining centers equipped with 4th and 5th axis rotary attachments as well as Horizontal Machining Centers. The user can optimize the use of tombstones for machining multiple parts or a number of sides of the same part. PMM also supports the programming of vertical machining centers equipped with 4-axis and 5-axis rotary tables. PartMaker's intuitive "Divide and Conquer" approach simplifies machining in multiple planes. This module also automates the programming of features in arbitrary planes using inclined tooling attachments, 5th axis rotary fixtures and tilting tables.



Kinematic Milling Simulation

PartMaker's Kinematic Milling Simulation (KMS) takes the simulation of milling operations to a whole new level. With KMS, the user can import custom fixture designs and program a part to avoid collision with these fixtures. PartMaker also provides a 3D modeling facility using the PowerSHAPE Companion for PartMaker to allow the user to design complex fixtures in 3D. KMS also provides a photorealistic simulation of the kinematic motion of a particular machining center's architecture. This simulation will include the exact work holding being used, assuring the user that parts are running safely and collision free in the machine's working environment. Machine models are provided with KMS but they can also be quickly created and customized by the user with an intuitive visual interface.



System Requirements

32 or 64 bit Windows 7 PC or 64 bit Windows 8 PC, Intel Core Duo processor or better, 80 GB Hard Drive or larger, 4 GB of RAM or more and 1 GB Independent Nvidia Video Card or better.