



IN THIS ISSUE

[Successful EMO show](#)

[SolidCAM drives a new Multitasking machine at the EMO show](#)

[Open House about iMachining in Denmark](#)

Successful EMO show



More than 120,000 visitors from all over the world attended this year's EMO show. The photo shows some charming members of our Italian exhibition team - from left to right: Massimo Castaldelli, Simona Lussardi (both *SoluzioniCAM*) and Diego Ponzetto (*SolidWorld*).

[Read EMO after show report...](#)

One of the most important manufacturing shows in Europe, the EMO exhibition, took place in Milano, Italy, from October 5 to 10. Together with its Italian resellers [SoluzioniCAM](#) and [SolidWorld](#), SolidCAM presented the current version SolidCAM 2009 and a preview of the upcoming version SolidCAM 2010.

Here are some of the new features of SolidCAM 2010, that attracted the attention of the visitors at our booth in Hall 9:

- Acceleration of the calculation/simulation of large parts by 64 Bit computing
- Performing SolidVerify simulation in parallel to continuing work with SolidCAM
- A new "toolbox" for specialized solutions in 2.5D Milling
- Additional turning operations and a new tooltable for turning to support inserts and holders
- An interactive toolpath editor to enable manual editing of the toolpath
- An automated 5X-Drill operation, that accelerates the drilling of "Swiss cheese" type of parts like big molds.

SolidCAM demonstrated also its new revolutionary cutting technology "iMachining". By achieving an optimal combination of toolpath and cutting conditions, iMachining enables cutting through the material with much higher feed rates and larger cut depths. This results in significantly higher metal removal rates while prolonging tool life.

In Hall 5 of the EMO show, our German reseller DPS software demonstrated the CNC programming, Simulation and Machining of a new Multitasking machine with SolidCAM (see article below).

Dear reader, enjoy our Newsletter.

Emil Somekh
Managing Director
SolidCAM Ltd.

SolidCAM infos

- [Watch "What's new in SolidCAM2009" videos...](#)
- [Download "What's new in SolidCAM2009" presentation...](#)
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• SolidCAM drives a new Multitasking machine at the EMO show

SolidCAM's reseller [DPS Software](#) teamed up with the German [DVS Gruppe](#) to demonstrate the CAM Programming, Simulation and Machining of the new **PV³ 1250** Mill-Turn Center from Pittler, a member of the DVS Group. This new 5-axis multitasking machine can perform various operations like Turning, Drilling, Milling, Grinding, Measuring and Gear cutting for one part set-up.



At the EMO show, visitors could see the complete manufacturing process of a complex 3D workpiece, performed with the solution *SolidWorks+SolidCAM+Pittler*. Steffen Krause, Manager of CAM Support at DPS Software (see photo), developed this application based on SolidCAM. While the machine was still executing other jobs, the following tasks were completed in parallel by SolidCAM:

- Import of the 3D model in *SolidWorks+SolidCAM*
- Collision control and optimization of the toolpaths
- Simulation of the Pittler machine
- Rest material machining
- Generation of the G-Code including special cycles

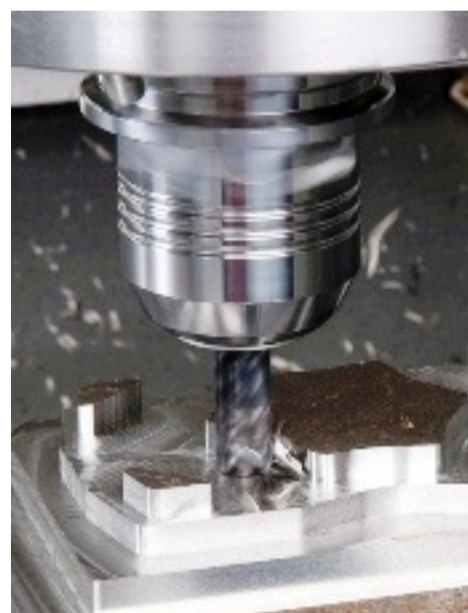
Equipped with a SIEMENS control unit and intelligent tool change capabilities, the Pittler PV³ 1250 Machining Center then executed the following 11 different tasks in one part setup:

- Turning, Planar Milling, Cavity Milling, Drilling, Circular Milling, Precision Drilling, 5 axis Finishing, Chamfering, Grinding, Gear Cutting and Measuring.

[See video about this Multitasking application...](#)

• Open House about iMachining in Denmark

SolidCAM Scandinavia and its partners, *Pedersen Machines* and *3K Tools*, demonstrated for the first time in Denmark SolidCAM's new **iMachining** technology. Developed by real machinists, iMachining integrates the complex variables of machining to drive an optimized toolpath. The new technology has been shown on a CHEVALIER machine during a 2-days Open House at the facilities of *Pedersen Machines*.



Nearly 200 visitors have been impressed by the unique approach to manufacturing, that enables much higher metal removal rates while reducing the wear of the cutter tools. Some quotes from participants:

- **John Braae Kristensen (Grene Maskin Teknik):**
"I am deeply impressed - I've even seen the job running 5 times - 4 times in stainless steel and one time in Impax Supreme tool steel, and the tool looks still brand new. When the machining time in addition is less than half of what I have seen other systems perform, I do dare to predict that the system simply must revolutionize the market..."
- **Anders Petersen (University of Aarhus):**
"What we've seen iMachining perform today has impressed me and my colleagues deeply. We will now return to our Management and convince him to invest in the new software..."
- **Christian Juul (Pedersen Maskiner):**
"Incredibly, it is indeed very impressive, and what a finish of the part itself. iMachining can be a great tool to make our CNC machines and cutter tools more efficient..."

The positive response from all attendees naturally provides great confidence in the future of SolidCAM's iMachining technology.

[View the SolidCAM iMachining overview...](#)