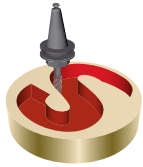




**CADNEA**

Sistemas de CAD, CAM, CAE e PLM, Lda

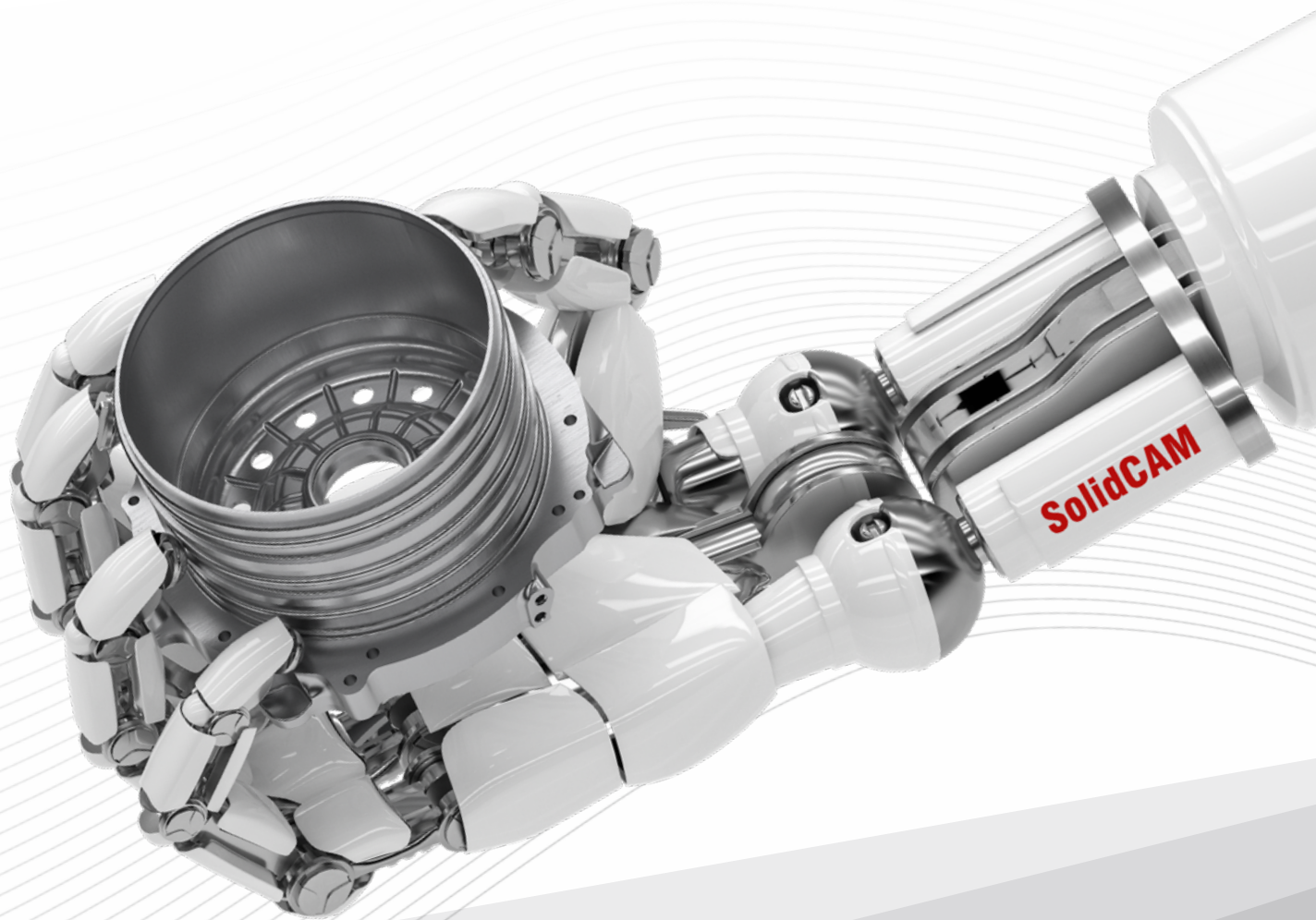
THE FUTURE OF CAM



# SolidCAM

## The Future of CAM in Your Shop Today!

The complete CAM Solution, with revolutionary  
iMachining, MillTurn<sup>+</sup> and Swiss-Type, seamlessly  
integrated in SOLIDWORKS<sup>®</sup> and Inventor<sup>®</sup>



*Utilizing Proven iMachining 2D & Technology Wizard Algorithms for Roughing and Semi-finishing of Molds, Complex 3D Parts and 3D Prismatic Parts*

iMachining 3D provides amazing 3D machining results, regularly saving 70% in machining time, reaching up to 90% in many cases.

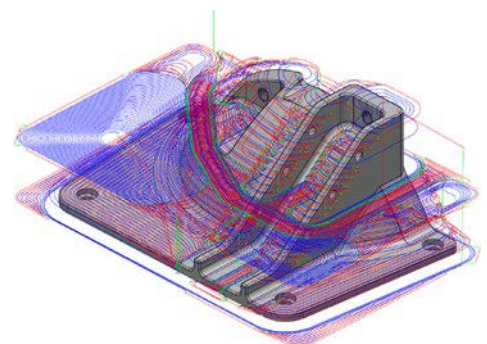
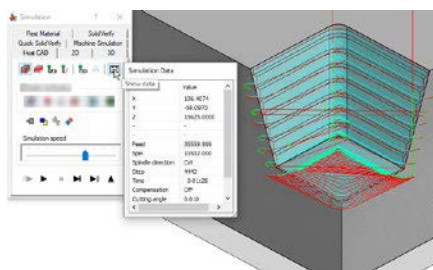
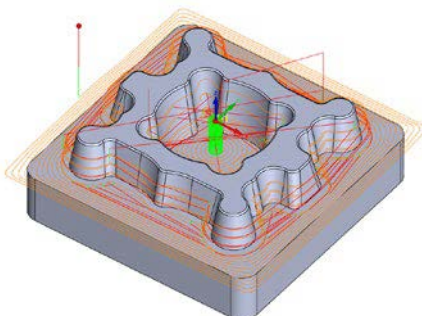
iMachining 3D automatically produces a complete, ready to run CNC program, with optimal cutting conditions, achieved by the expert knowledge-based Technology Wizard, to rough and rest rough an entire 3D part in a single operation.

iMachining 3D uses sophisticated analysis algorithms to determine the optimal order of its rough and rest rough tool paths. Combined with its unique local machining feature, full-depth Step down, intelligent Step-up and smart positioning, iMachining 3D achieves the shortest possible cycle time for roughing and semi-finishing of molds, complex 3D parts and 3D prismatic parts.

iMachining 3D provides a complete machining solution when combined with other SolidCAM technologies, such as 3D HSM for finishing molds and complex 3D parts or iMachining 2D for finishing 3D prismatic parts.

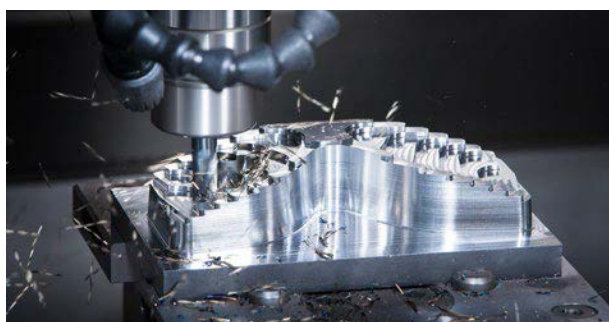
## iMachining 3D is a Must-Have!

- + Quick solid geometry selection and automatic target model protection
- + Optimized machining of each Z-Step, using proven iMachining 2D technology
- + Deep roughing with the whole flute length, resulting in shorter cycle times and increased tool life
- + Rest material machining in small upward steps, optimized for constant scallop height, further shortens cycle time
- + Intelligent localized machining and optimal ordering eliminates retracts and long position moves, producing the shortest times in the industry
- + A dynamically Updated Stock model and "Cut only the Rest material" mode eliminates all air cutting
- + Tool path automatically adjusts to avoid collisions between the tool holder and Updated Stock model, at every stage of the machining process



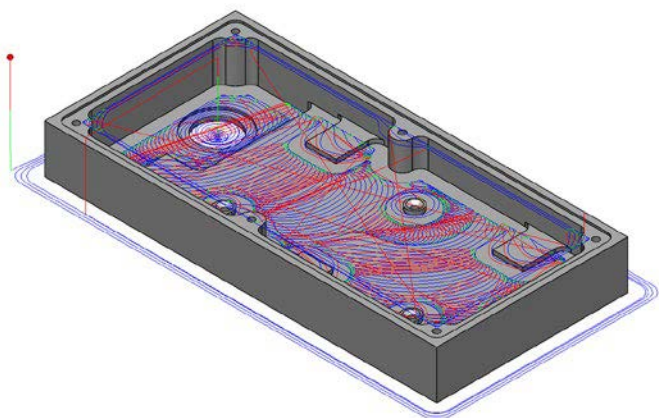
**THE ORIGINAL**  
iMachining - exclusively from SolidCAM

TIME SAVINGS  
**70%**  
... AND MORE!



## iMachining 3D for Prismatic Parts

Programming times for prismatic parts are drastically reduced with iMachining 3D. In a single operation, rough and rest rough an entire 3D prismatic part that includes any number of pockets and islands, without chaining or sketching a single contour. With just the solid geometry and cutting tool as input, iMachining 3D calculates the rest - automatically and optimally.



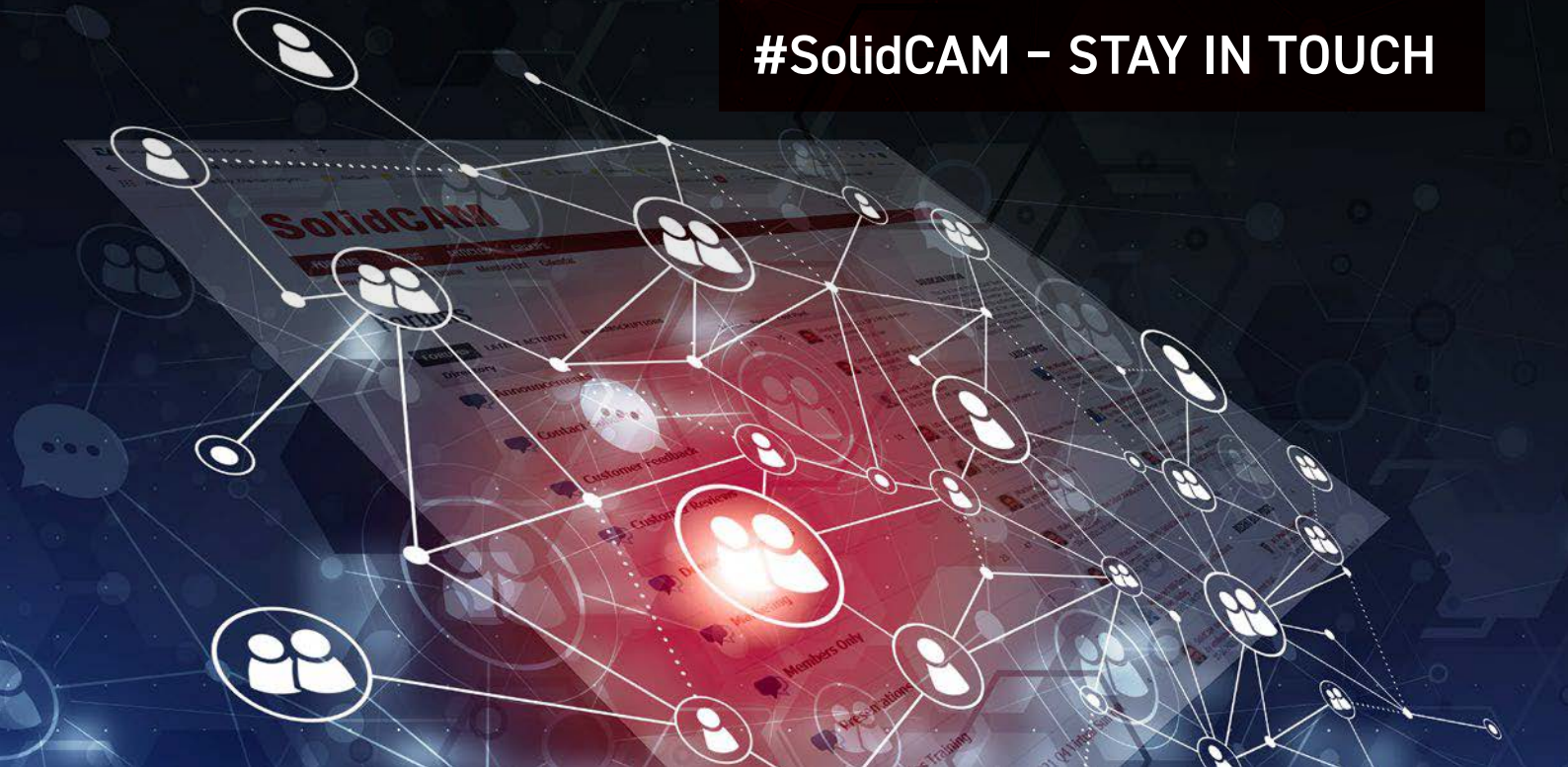
” Growth at the company is continuing at a very healthy rate with an emphasis on lean manufacturing. The introduction of SolidCAM has contributed to this expansion, enabling the company to manufacture more complex parts in a shorter lead time, raising throughput, and maximizing the productivity of our machines.”

**Dan Patrick, Big Bear Plastics**

” SolidCAM has enabled us to get the time down on downtime! It's allowed much more synergy going from one complex product to the next, more so if you have a complete new set-up on tooling. We need to make sure that from one set-up to the next that the downtime is as minimal as possible.”

**Shaun Palmer, Director, Oracle Precision Ltd**

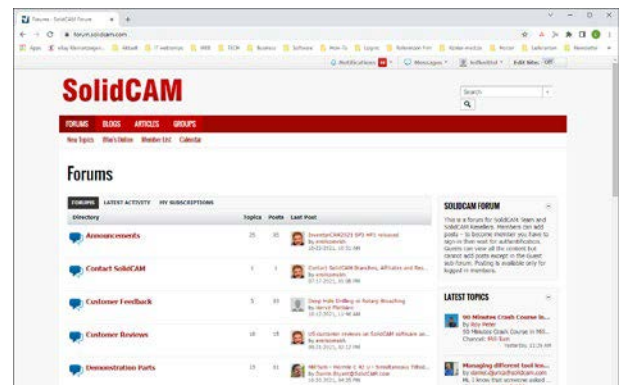
# #SolidCAM – STAY IN TOUCH



## Welcome to the SolidCAM Forum

We believe that up-to-date information for our customers and resellers is a priority, so we launched the SolidCAM forum, where everyone can get in depth information about SolidCAM products and future developments.

Check out [forum.solidcam.com](http://forum.solidcam.com) for more details or get the **SolidCAM Forum App** available for IOS and Android from the App-Store & Google Playstore.



## SolidCAM on Facebook

Join our Facebook page for daily posts in your News Feed about SolidCAM News, iMachining Success Stories, SolidCAM Professor Recordings, Upcoming Webinars, Events and Product releases.

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## SolidCAM on YouTube

See recorded SolidCAM webinars and powerful cutting videos of SolidCAM & iMachining, on our SolidCAM YouTube channels:

[www.youtube.com/SolidCAMiMachining](http://www.youtube.com/SolidCAMiMachining)

[www.youtube.com/SolidCAMProfessor](http://www.youtube.com/SolidCAMProfessor)



## SolidCAM on Twitter

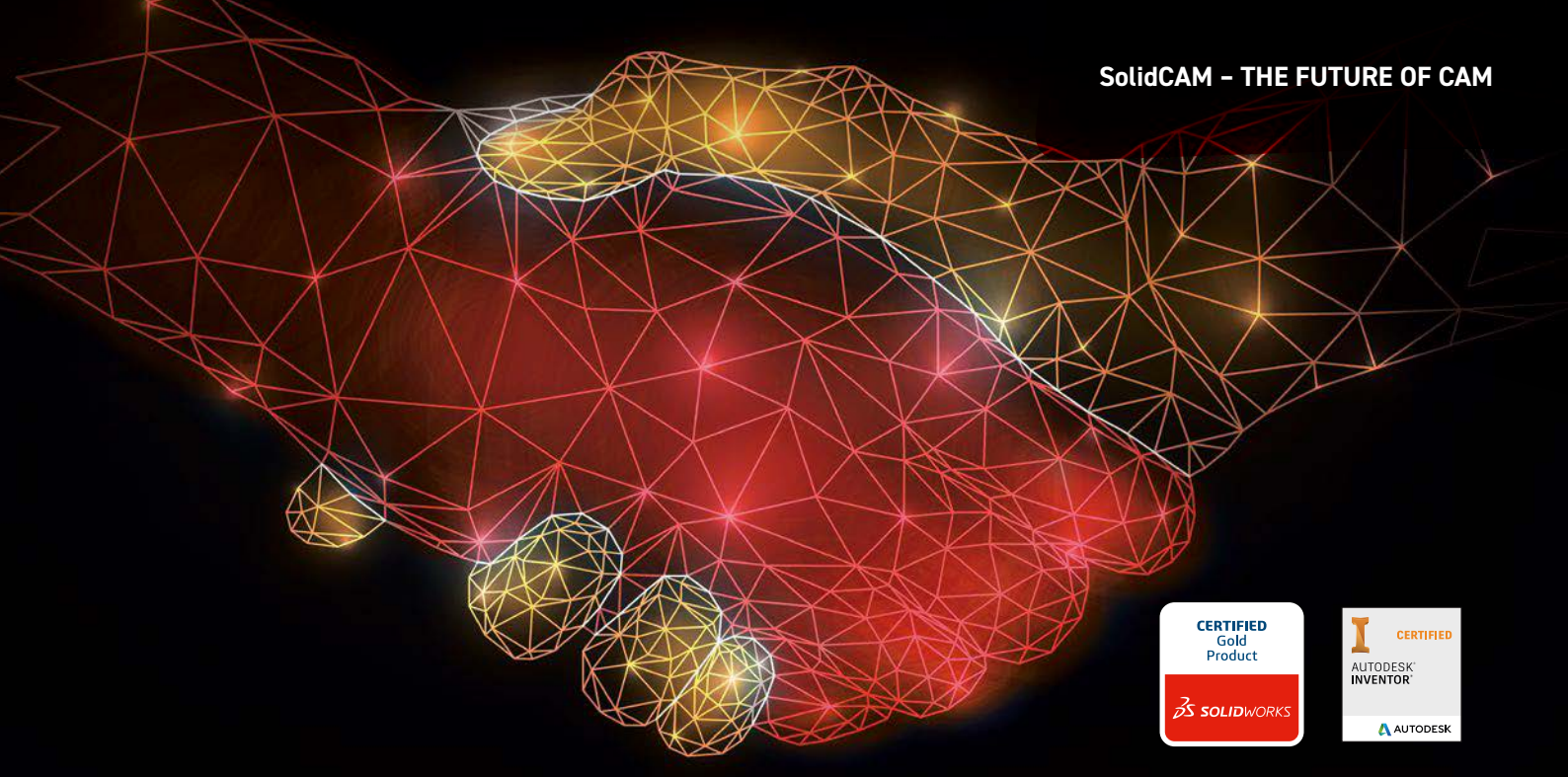
<https://twitter.com/solidcam>



## Follow us on Instagram

<https://www.instagram.com/imachining/>





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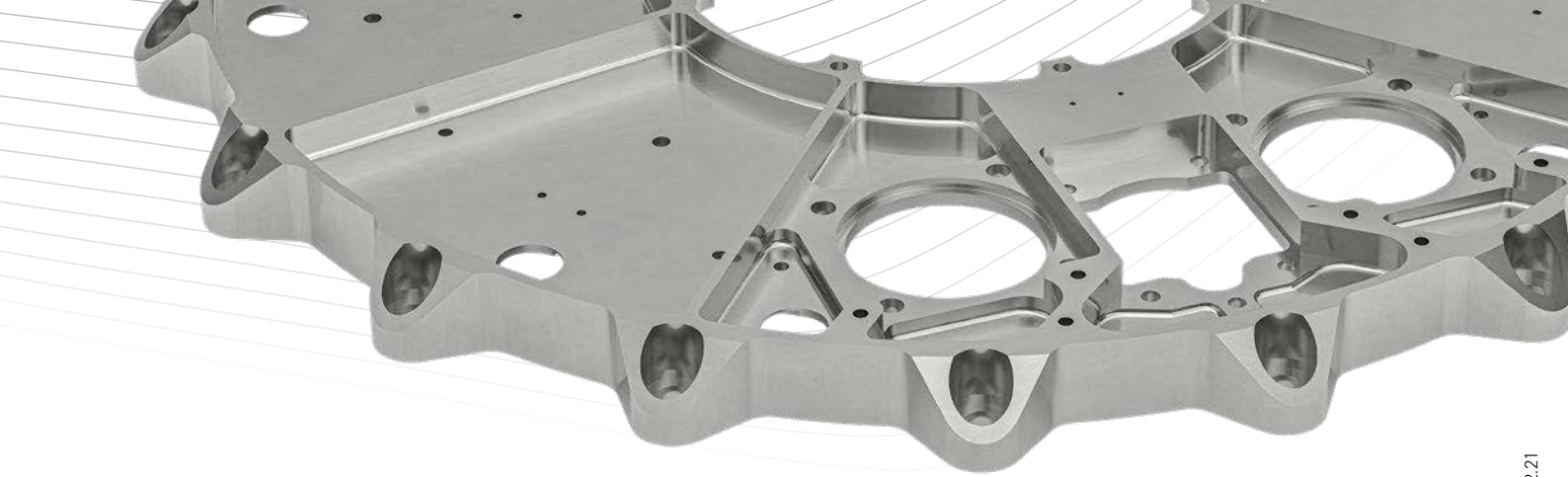
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### **SolidCAM in Your Country**

Contacting a SolidCAM office or reseller is easy. The complete list of our worldwide, dedicated distribution and support network is available on [solidcam.com](http://solidcam.com)





” My personal goal was to be able to program all CNC machining operations consistently with a single CAM system. The biggest challenge here was to bring the Swiss-type lathes on board. Thanks to the extensive support provided by SolidCAM, that also worked out wonderfully!”

Steffen Rudischhauser | Managing Director  
Rudischhauser Surgical Instruments & Implants Manufacturing GmbH | rudischhauser.com



” What matters to us are the structure and quality of the generated CNC programs that go to the machine, as well as how quickly and easily they can be generated. The service at SolidCAM is unparalleled. The technicians have done a great job with the post-processors for our complex Bumotec machines. And if we ever have a problem, someone from the support team is immediately offering help. These days, that isn't a given; it's unique!”

Stjepan Matacun | Production Manager  
Stuckenbrock Medizintechnik GmbH

” After only two weeks with SolidCAM we had more success than with the previous CAM system after three years. We can now program the most complex workpieces much faster. Creating the tools is much easier and I can already program a part even if the final tool data is not yet completely available. This was not possible in the past.”

Franz Fuchs | CNC & CAM Programming  
Hefter Maschinenbau GmbH & Co. KG | hefter.de

