SUPERIOR CNC SIMULATION AND SERVICE

See what's ahead with post-processors powered by Icam.

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Visibility and toolpath strategy are top priorities for manufacturers.

How do Icam post-processers work?

Icam post-processors take the cutting location data from your CAD/CAM or PLM system, and convert it into G-code that your CNC machine can use.

Most CAM software outputs programmed toolpaths in a generic format, while nearly all CNC machines have their own "dialects," if you will.

But, by converting generic CAD/CAM cutter location data into the specific G-code required by each CNC machine, you can generate optimized G-code for multiple machines from a single-part program.

At the same time, our post-processors are CAM agnostic, which means that you can produce G-code specific for your CNC machine from cutter location data generated by various CAD/CAM systems.
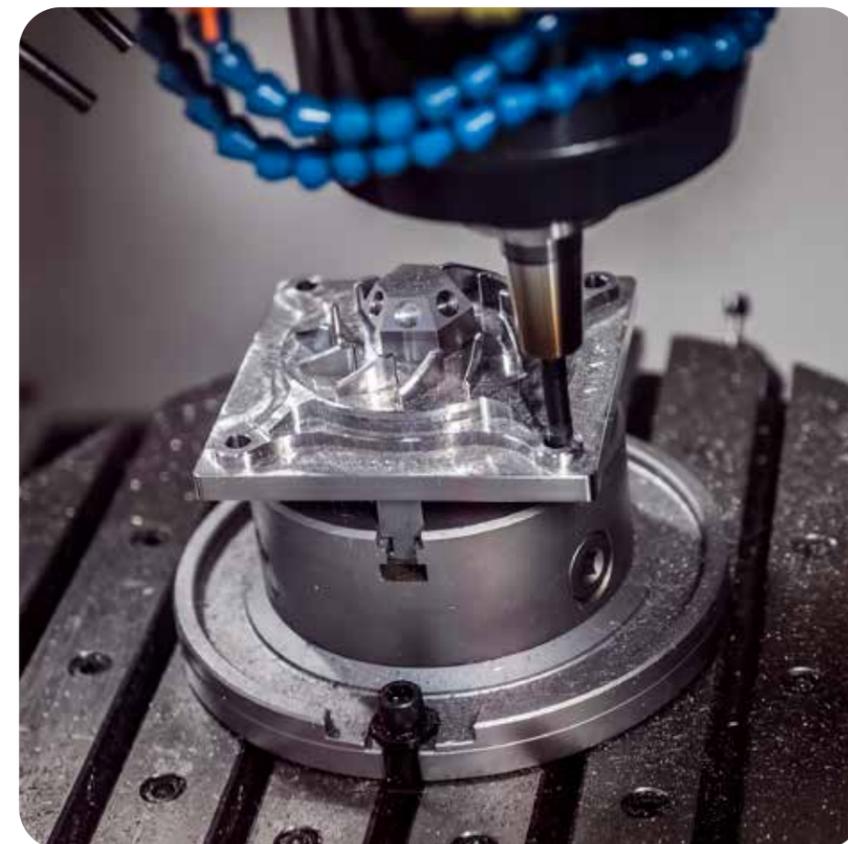
Why choose Icam Post products?

Icam Post is designed to fit seamlessly into your existing CAD/CAM/PLM setup.

It supports all major CAM software systems, such as **CATIA, Siemens NX, Mastercam, PowerMILL,** and more.

Plus, these products have been developed to effortlessly integrate with the world's leading CNC machine manufacturers, including **Mazak, DMG MORI, Starrag,** and **MODIG,** to name but a few.

But easily blending into your production efforts is just one of the many reasons to choose Icam Post.

If you can't see what's happening inside your CNC machine, you risk damaging your tools, wasting parts and material, and worse, crashing your machine.

Thankfully, our Icam Post products can help. They allow manufacturers like you to see what's ahead, and determine the best course of action for each toolpath.

When machining complexity increases, like when working with 5-axis, some toolpaths can require activating different features, such as RTCP or tilted planes, or pre-positioning the rotaries to the kinematic solution that avoids overtravel.

Automatically applying the correct toolpath strategy with Icam Post significantly reduces your programming time by eliminating iterations and errors.

Why choose Icam Post products?

Get a global picture of your part

Icam Post allows the NC programmer to optimize the job without intervention by showing them the entirety of the job as it happens.

It uses upcoming events so programmers can make data-driven decisions about current ones.

Detect and correct errors

Icam Post is capable of not only detecting errors, collisions, and close calls in the machining setup but also correcting them.

This speeds up the process and removes the need for the machinist to interfere, which is a common cause of downtime.

Eliminate head and table wobbles

Icam Post uses Head-Dancing Avoidance to rid your machining of frustrating head and table wobbling when moving along low-angle, near-singular compound curves.

Look-ahead optimization

Icam Post uses over 40 different types of look-ahead optimizations, ranging from simple tool and cutting head selection, to complex actions like eliminating tool dwelling, and switching between parallel axes.

Link tool paths safely and efficiently

When used with optional material removal simulation, alongside an Icam Virtual Machine™ module and an additional option called SmartPATH™, Icam post-processors can automatically generate safe and efficient rapid or high-feed linking motions between toolpaths.

Extend the travel of any axis

Icam post-processors extend the travel of any machine rotary axis (even 6-axis) by winding the axis backwards before the cut to avoid unnecessary retracts, turn-arounds and approaches.

They also have the ability to switch between parallel axes to extend maximum travel limits.

What about Vericut Machine Configurations (VMCs)?

Pairing Icam Post with a Vericut Machine Configuration, or VMC, allows manufacturers to produce a like-for-like digital twin of your CNC machine.

VMCs are used to configure and test post-processors, and simulate post-processor output. By purchasing a post-processor and VMC together, you can enjoy an even simpler integration and implementation process.

That means faster machining time and parts delivery for your business, and a reduced cost to the customer—everybody wins.

Want to see what's ahead with our post-processors?

Speak to our helpful team today to request a quote, or book a free demonstration.

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