

|  | VERICUT      | NCSIMUL      |
|--|--------------|--------------|
| NC Decoding                                | 06:56        | 00:47        |
| Tool-path analysis ( 2 clicks )            | 01:20        | 00:05        |
| Simulation with a display every 100 blocks | 21:00        | 07:45        |
| Result analysis ( 2 zooms + 2 rotations )  | 02:13        | 00:10        |
| <hr/>                                      |              |              |
| Total                                      | <b>31:29</b> | <b>08:47</b> |

\*Test made on a customers 5 axes machine job, with a 6MB program and 13 tools.

In FACTS!



NCSIMUL is **3 times faster** than VERICUT in the real process!

| Round                  | Functionalities                          | VERICUT                           | NCSIMUL                                    |
|------------------------|--|-----------------------------------|--|
| 1:<br>Program analysis | Read G-code and display Tool-path*       | 416 sec                           | 47 sec                                     |
|                        | Display a tool in a position*            | 40 sec                            | 2 sec                                      |
|                        | Link between 3D, Program and tool-path.  | Unidirectional from 3D to program | Multidirectional                           |
|                        | Program display                          | Black box                         | Show all Tool-machine builders macros      |
|                        | Wireframe display flexibility            | No                                | Colors, filter on a tool, in machine view. |
| 2:<br>Simulation       | Time to simulate 6 MB of G-code*         | 1260 sec                          | 465 sec                                    |
|                        | Zoom, Pan, Rotate without refreshing     | No                                | Yes  |
|                        | Switch from part to machine view         | No                                | Yes  |
|                        | Link between surface and program         | No                                | Yes  |
| 3:<br>On the result    | 1 zoom and 2 rotations processing*       | 133 sec                           | 0 sec                                      |
|                        | Run a second simulation in hidden mode*  | 1110 sec                          | 375 sec                                    |
|                        | Part analysis after a machine simulation | No                                | Yes  |

\*Test made on a customers 5 axes machine job, with a 6MB program and 13 tools.