

First Sinumerik Solution Partner in Scandinavia

Test Run – As Close As It Gets

Previously, anyone who wanted to simulate production processes on the computer could not do without complex simulation programs which could only be operated by specially trained employees. A new Siemens Solution Partner is now offering a solution which even small companies can afford, and which combines simple operation with intelligent 3D technology.

The company is based in Helsinki and goes by the name of Visual Components Oy. A name with a future, because the clever Finns are on the way to becoming one of the leading providers in the field of simulation software. The latest product: ILP, an inline production simulation tool designed specially for the Sinumerik 810D and 840D controllers, which was developed by the Swedish 3rd party developer Optikos-Q.

The special feature is that ILP operates directly with the axis data of the controller, and therefore saves the time normally required for carrying out dry test runs on the machine until it is finally ready for series production.

“The partnership with Siemens enables companies to get a machining program running quickly and reliably with the confidence it won’t screw up production,” as Craig Lybeck, CEO of Visual Components Oy, explains the idea behind the software tool.

Perfectly simulated

ILP allows the simulation of CNC-controlled processes right there on the shop floor. The ILP software uses exactly the same data sent to the machine drives, so it is as close as it gets to actually machining the part. The result is visualized in a high-resolution 3D view that allows operators to, for example, view the setup from different angles, examine the workpiece and fixture setup, see all rapid tool feeds

Solution Partner

Automation

SIEMENS

Visual Components Oy

Business activities: 3D simulation und visualisation in manufacturing

Headquarters: Helsinki, Finland

Employees: 15

Year of foundation: 1999

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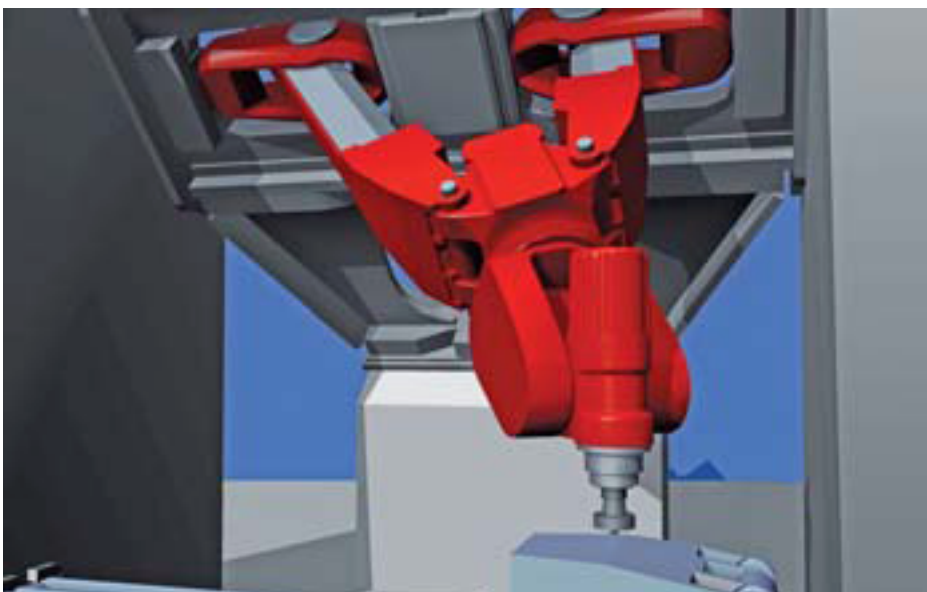
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and check for collisions, and verify that the machining process is optimized in all respects. With its products 3DCreate, 3DRealize, 3DVideo and now also ILP, the first Sinumerik Solution Partner in Scandinavia now implements 3D simulation at costs which even smaller companies can afford. The product portfolio ranges from simulation through configuration to visualization. It therefore covers all phases of the so-called digital factory, and allows complete processes to be simulated and different alternatives to be tested. An astonishing performance for a company which was not founded until 1999 by a group of experts in the field of computer simulation, and which now boasts an annual growth of an average 20 percent. ■



ILP (inline production simulation) operates with the original controller data

The latest software products from Visual Components Oy offer new perspectives on 3D-simulation even for small companies

All pictures: Visual Components Oy