

Fastest way from concept to reality





Designed for manufacturing professionals. Built on a powerful, flexible and easy-to-use platform.

Layout planning

Remove the guesswork from designing or optimizing your factory layouts. Visualize your 3D layouts with production logic using existing models and templates.



Virtual commissioning

Detect early, resolve fast, enhance efficiency and commission virtually. Connect your virtual systems with physical PLCs and robot controllers to resolve issues before deployment.



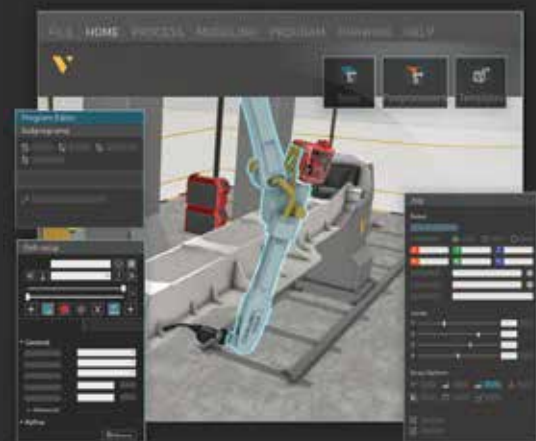
Sales acceleration

With detailed simulations, present clear solution previews, create marketing grade content with engineering grade accuracy, boost client confidence and speed up the decision-making process.



Robot offline programming

Create and optimize robot programs without interrupting production for any process using 3D CAD data. Minimize downtime, improve efficiency and maximize your robot investment payback.



Learn more about the benefits of simulation for manufacturing and robot offline programming (OLP) software at visualcomponents.com



Manufacturing simulation

Enhance your manufacturing projects with our all-in-one simulation software.

Simulate your concepts in minutes

Design and validate your processes and layouts quickly using ready-made 3D models with plug-and-play interfaces. Ideal for professionals at any level, our simulation software brings your entire production environment to life.

Detect early and resolve fast

Enable early system testing and concurrent engineering by simulating and connecting with PLCs and virtual robot controllers. Optimize your models before physical commissioning to streamline workflow, reduce costs and speed up project timelines.

Minimize risks

Whether you're building a new factory, expanding your current one or automating your processes, simulation offers a virtual sandbox in which you can test your plans in advance. This allows you to spot hidden issues and minimize investment risks.

Maximize efficiency

Collect simulation data for insights into your operations and production assets. Test out different scenarios to optimize your production output, resource utilization or use of floor space. Maximize the efficiency of your systems.

Robot offline programming (OLP)

Program your industrial robots with our fast, easy and universally compatible offline programming (OLP) software.

Robot programming for all processes

Program your industrial robots without interrupting production from the comfort of your office. Use your 3D CAD data to create efficient, error-free programs for any process such as welding, painting or cutting.

Minimize programming time

Easily program your robots of any brand, process or complexity 10 times faster to minimize downtime. Save and re-use your programs anytime in your process knowledge database for consistent quality. Translate programs using any of our 18 post-processors.

Optimize manufacturing process

Enable seamless collaboration between design engineers and robot programmers to avoid last-minute modifications to fixtures, tooling and products. Virtually test production systems well in advance of the actual start of production.

Faster robot investment payback

Ramp up robots faster, minimize downtime and increase efficiency. Maximize utilization of your robot system and production output to accelerate the return on your robot investment.

Visual Components Robotics OLP is the evolution of Delfoi Robotics.



Customer success stories



Visual Components is helping us start the manufacturing development process much earlier than before, and reduce critical time to market.

Miikka Ahola
Manufacturing Solutions Manager for KSU
KONE



Using Visual Components, we were able to achieve increased efficiency gains, reduced packaging and processing costs whilst helping our customers visualise how automation could improve overall production efficiency gains. It's a game-changer.

George Walsh
Product Development Engineer at Digital
Manufacturing
DHL



We have developed a solution that is able to use the same equipment for many different items. In the robot cell, we have a handling robot and a welding robot that build the items together. We wanted the best technical solution and software that is compatible with as many robot brands as possible. Visual Components OLP is very visual and intuitive to program.

Erik Åstrand
Specialist in Welding Optimization
Volvo Construction Equipment



Offline programming makes things much faster and easier when robot programming can be done outside of production system without stopping production. Before, we had to make the necessary adjustments during the weekend before the production continued on Monday. Instead of the ten days that programming previously took, now the programming can be completed in just one day.

Asko Haataja
Head of Robotics Team
Ponsse





Discover the value of Visual Components

Fast and collaborative

Collaborate, share and come to decisions faster, together. Add life to static designs and simulate your conceptual manufacturing layouts without the need for specialized technical skills. Evaluate manufacturing feasibility and optimize virtual production systems in advance. Save, reuse your programs and build your own process database for knowledge sharing.

Make smarter decisions

Embrace digital transformation with our products, designed for a wide range of manufacturing professionals, from engineers to production managers. Make smarter decisions at every step of your production process. Create digital twins and carry out virtual commissioning of your projects. Shorten your automation project delivery times.

Minimize robot programming time

Program your robots of any brand, process or complexity 10 times faster than traditional methods without stopping production. Test and optimize your programs before downloading them to the physical robots.

Maximize robot efficiency

Optimize robot movements and processes for peak efficiency and precision with minimal robot downtime and waste. Ensure products are made to the highest standards of quality consistently.

5X

Faster design than
any CAD solution

80%

Faster
sales response

25%

Increase in material
throughput

99%

Accuracy and
quality

90%

Faster
ramp-up time

95%

Robot
utilization rate



Contact us and get started now

Discover how you can save time, reduce costs and improve production performance with simulation and robot offline programming (OLP) software.

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