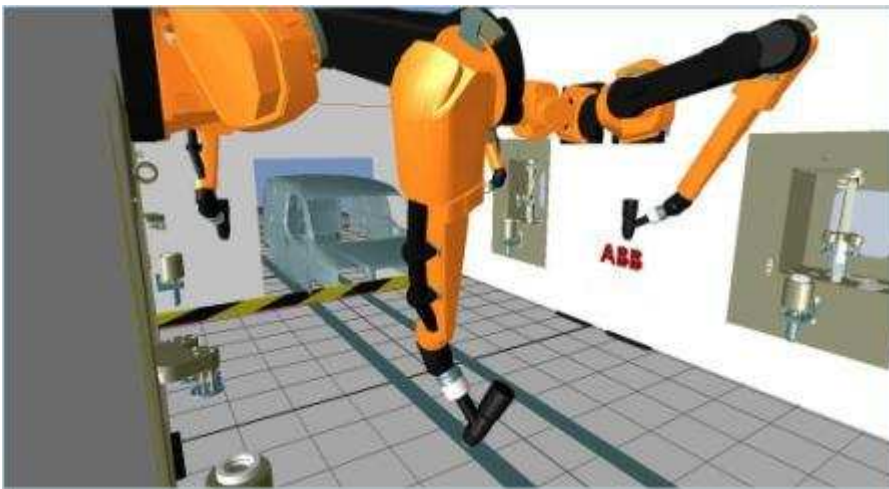


The latest version of Datakit's ROBCAD guarantees that the quality of the exchanged models is flawless, whatever their size.

Users above all appreciate:

- The speed of conversions
- The stand-alone capability of the solutions, cutting out the need for source or target software licenses
- The results: the ability to control facet parameters ensures 100% successful file translation from .rf into Robcad's .co or .ce formats
- Batch processing enabling the conversion of 1,000 files in one operation.

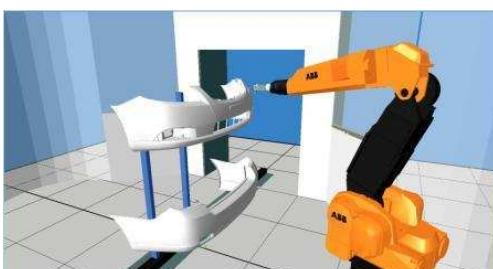


Courtesy: ABB France

Robcad is part of the "Siemens PLM digital factory" suite. The software targets design offices working in automation and industrial IT whose mission is to create robotic workstations and motion cycles. It is used to perform detailed, reliable studies of a robotic workstation or a complete robotic line using powerful simulation tools, that reflect the exact behavior of the mechanism (speed, acceleration, kinematic laws, motion space, etc.) for the planned operations (painting, welding, drilling, riveting, cutting, etc.)

Full control of robot geometry, grippers and the product concerned (hood, complete car) is indispensable for optimizing and simulating effector paths and detecting the risk of collisions.

Most of the robots are available in vendor libraries. They are designed with CAD software and must be imported into Robcad. The grippers, often customized to address specific applications, are modeled by the design office using the CAD software or directly in Robcad. The vehicle part, complete automobile or other capital goods manufactured on robotic lines are defined with CAD software.



Courtesy: ABB France

For more than 5 years, Datakit has been helping design offices with different solutions that facilitate the conversion of CAD files into Robcad's .ce or .co formats. Car makers and automotive suppliers, and makers of special machines or automated production lines use these tools, principally for rereading native CAD models into Robcad from Catia V4 and Catia V5, SolidWorks, SolidEdge, NX and the Acis and Parasolid formats. Datakit has developed several algorithms to enable the rapid exportation of polyhedral faceted models, whatever their size. Small and large CAD files are processed in batch mode and the resulting files are smaller. Datakit's converters do not require the presence of a CAD software license and are characterized by robustness and reliability.

With its solid experience, Datakit recently developed new products enabling users to enjoy more freedom in their choice of degree of faceting. Samad Elboustini, head of Datakit's R&D department, explains: "these new solutions offer users the ability to determine for themselves, and with what level of precision, they want to work. Less detailed faceting considerably reduces the size of the resulting files, but more precision is required when producing files for use by Robcad. This control of faceting is a major issue for users."

Datakit's solutions run in the Windows environment.

For more information on solutions for writing and reading Robcad files, contact ebecker@datakit.com