



visual
Components



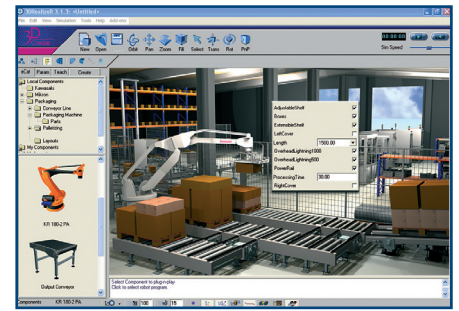
3DCREATE

3D DIGITAL FACTORY SOFTWARE FOR AUTOMATION COMPANIES

- ○ **COST EFFECTIVE 3D SIMULATION TOOLKIT**
- ○ **REUSABLE DIGITAL MANUFACTURING ASSETS**
- ○ **EASY TO USE VISUAL SALES TOOLS FOR FASTER INVESTMENT DECISIONS**
- ○ **CONTROL VALIDATION AND REAL-TIME CONNECTIVITY FOR TIMELY PRODUCTION**



THE COST EFFECTIVE DIGITAL FACTORY FOR MANUFACTURING



- IMPORT 3D MODEL DATA
- MANAGE GEOMETRY AND REMOVE EXCESS DETAIL
- DEFINE PRODUCT FAMILY PARAMETERS
- REPRESENT OPERATIONS WITH BEHAVIOR ATOMS
- ASSIGN REALISTIC COLORS AND MATERIALS
- APPLY INVERSE KINEMATICS FOR ROBOTICS
- CONNECT TO EXTERNAL CONTROLLERS
- ADD PLUG-AND-PLAY INTERFACES
- DEFINE CONFIGURATION RULES
- DISTRIBUTE PRODUCT LIBRARIES ON THE WEB
- CUSTOMIZE WITH PYTHON SCRIPTING
- EXPAND AND EMBED WITH COM

A 3D DIGITAL FACTORY TOOLKIT WITH
A GRAPHICAL AUTHORIZING ENVIRONMENT FOR
BUILDING AND PUBLISHING 3D COMPONENT BASED SIMULATION
APPLICATIONS AND EQUIPMENT MODELS THAT REPRESENT REAL
WORLD FACTORY COUNTERPARTS IN LOOK AND BEHAVIOR.

3DCreate delivers material flow (discrete event) and robotic simulation on the one platform for complete simulation and visualization of modern manufacturing systems. Now everyone can access 3D simulation models using layered products and reusable equipment libraries. New working layouts are created by simply snapping equipment models together, setting machine geometry and performance parameters and then pressing the simulation run button.

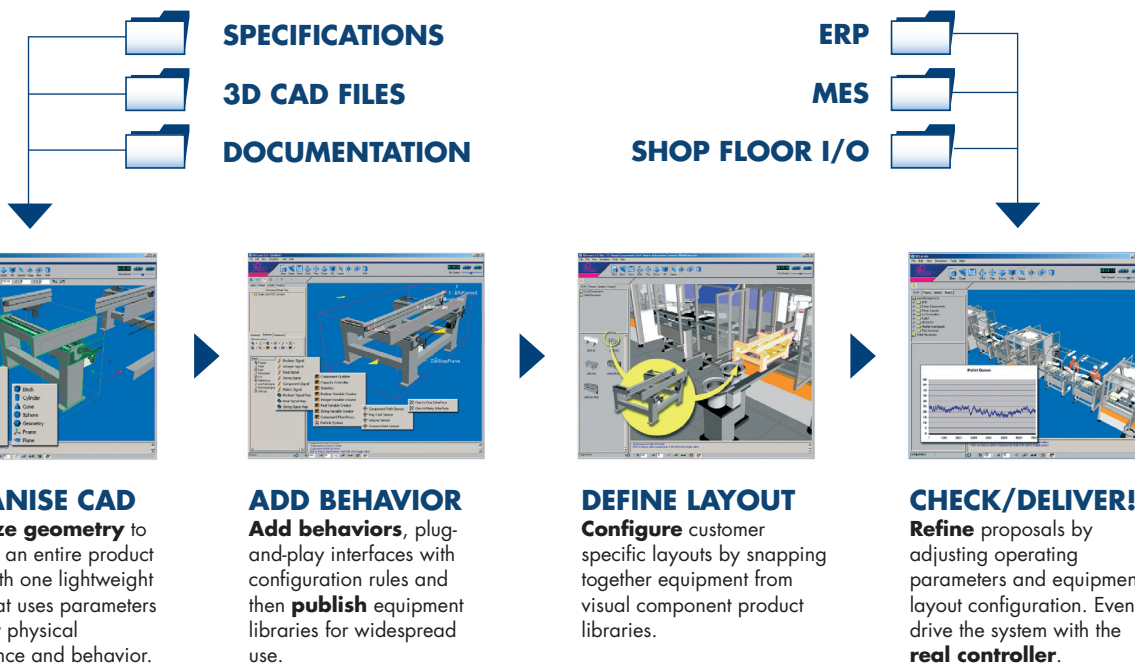
REUSABLE EQUIPMENT LIBRARIES

3DCreate combines different resource behaviors with existing CAD data to model any type of manufacturing resource from robots and conveyors to complex automatic warehouse storage systems and ergonomic human models. Companies can represent a product family with just one visual component model and generate interactive 3 dimensional production layouts on demand.

CUSTOMIZABLE 3D TOOLKIT FOR OEM PARTNERS

Fast-track new simulation and visualisation projects by branding Visual Components standard applications. Use 3DCreate's developer tools to extend applications with process specific Add-ons or embed the 3DCreate window in another application. COM based interfaces give access to different development (.NET) environments as well as integration to SCADA, MES and ERP systems. A real-time interface connects the 3D models to third party software and machine and line controllers for production validation and optimization.

PRODUCT & PROCESS DATA



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