

DELMIA PLM Express

Solutions to meet your needs



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Organized by five common, job-related roles in manufacturing, DELMIA PLM Express transforms your business to meet market demands.

Take your first step and select the solutions that match your needs, and transform your business to meet your most critical manufacturing challenges.



Resource Planning

Provides a complete 3D workcell building solution to set up and validate tooling, perform robot feasibility studies, and associate tooling and positioning equipment, including standard robots, for a complete assessment of a manufacturing workcell or an entire line. Leverage features for geometric modeling, kinematics modeling, and perform reachability studies for flexible manufacturing resources. Companies will significantly cut costs by eliminating production stoppage for setup validation on the shop floor and by eliminating rework costs.



Robotics

Delivers a comprehensive, robotic programming solution that offers advanced simulation capability with dedicated offline programming tools for arc and spot welding applications for accurate, real-world robotic welding processes. It provides an environment for teaching and simulating robotic tasks as well as the complete workcell cycle to validate the mechanical processes. By validating all robotic movements and programming in the virtual world, companies save time and money through elimination of production stoppage on plant floor equipment.



Ergonomics

Delivers the capability to build 3D human models to simulate various human tasks, based on processes and to optimize the human work space. In addition, users can perform risk factor analysis to maximize human comfort, safety, and performance through a wide range of advanced tools, analyze human postures, vision, reachability and biomechanics for compliance with ergonomic standards. This solution allows companies to comprehensively evaluate all important elements of a human's interactions with a workcell for improved worker efficiency and lower health-related costs.



Assembly Planning

Designed for the assembly planner or simulation engineer, it delivers assembly process tools to simulate parts and assemblies to validate the manufacturing process. Planning and validating the manufacturing process earlier in the design stages with the ability to capture and reuse data for shop floor implementation, saves companies valuable ramp-up time and avoids costly delays in production.



Controls

Offers Smart Device Builder capabilities for the engineer to create the mechanical, kinematical and logical behavior of devices that can then be used to validate a PLC program in a virtual environment. In addition, Virtual Commissioning solutions allow control engineers to debug PLC code weeks before the integration of the physical equipment occurs on the shop floor, significantly reducing the ramp-up time of manufacturing systems and costs for maintenance operations. By identifying PLC programming errors through simulation, control engineers also reduce the risk of damage to physical factory equipment.

Simple, Role-based Solutions

DELMIA PLM technology for companies of all sizes

In today's business world, smaller manufacturers face tremendous pressure to retain business and win market share. We understand your need to innovate and speed time-to-market, while at the same time become more flexible, improve quality, reduce costs, and control investments.

In the past, you might have overlooked the potential of Product Lifecycle Management (PLM) solutions to address these shared business challenges—PLM solutions are often seen as a technology for larger organizations. DELMIA PLM Express overcomes these misconceptions.

Capitalizing on our extensive experience in digital manufacturing and working with world-class customers, DELMIA PLM Express is designed specifically for you – the small to medium-sized busi-

nesses. It is mapped to industry and job-related needs enabling companies like yours to easily take the first steps toward achieving business transformation.

DELMIA PLM Express provides you with a virtual role-based environment to define, validate and simulate your contributions to factory production operations. Smaller organizations are no longer denied access to the tools needed to transform your business and be more competitive in today's unforgiving marketplace. Our digital manufacturing technologies provide you with the most appropriate vehicle for achieving your goals, helping you innovate and become more agile and provide the solution best suited for your needs, your role, and for your contributions to industry.



Address various industry challenges:

- Automotive
- Aerospace
- Shipbuilding
- Industrial Equipment
- High Tech
- Consumer Goods
- Consumer Packaged Goods
- Services

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For more information on DELMIA, visit our website at www.delmia.com

About Dassault Systèmes:

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 100,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance to recycling. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product - SolidWorks for 3D mechanical design - DELMIA for virtual production - SIMULIA for virtual testing - ENOVIA for global collaborative lifecycle management, and 3DVIA for online 3D lifelike experiences. Dassault Systèmes is listed on the Nasdaq (DASTY) and Euronext Paris (#13065, DSY.PA) stock exchanges. For more information, visit <http://www.3ds.com>

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