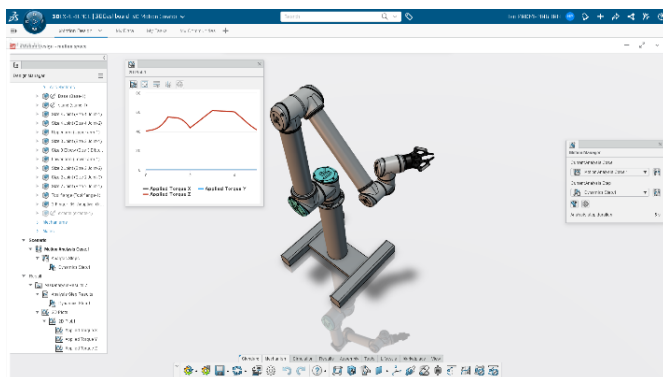# 3D MOTION CREATOR
3DEXPERIENCE ROLE

ASSESS MOTION BEHAVIOR OF ANY MECHANICAL SYSTEM IN A BROWSER-BASED ENVIRONMENT

Simulate product kinematic and dynamic behavior for complex mechanism to drive better design decisions and improve product performance.

OVERVIEW

3D Motion Creator is an easy-to-use, browser-based solution that offers kinematic and dynamic motion capabilities to evaluate and validate your design. Set up your motion analysis efficiently using intuitive tools and modeling elements. Built on the cloud- based **3D**EXPERIENCE® platform, 3D Motion Creator allows automated motion model generation based on 3D design and quick update of the model after design changes working seamlessly with the design-to-manufacturing, data management and collaboration solutions on the platform.

KEY CAPABILITIES

- Quick kinematic assessment of your product based on automated model generation in intuitive the Kinematics Player tool.

- Work entirely in a web browser, giving you the freedom to simulate anytime, anywhere, with no need for installation.

- Utilize an easy-to-use environment to quickly enhance your model with dynamic capabilities like drivers and spring/damper.

- Rapidly update the model based on designs iterations and perform analysis using a world-class solver.

- Evaluate your results using 3D animation as well as 2D Plots built-in to the motion environment.

- Intuitive and streamlined assessment of complex mechanism dynamics using the Motion Manager tool.

- Save and share mechanism motion animation with your colleagues.

CAPABILITIES OF THE 3DEXPERIENCE PLATFORM

With its growing solution portfolio and secure cloud technology, the **3D**EXPERIENCE platform enables you to manage all facets of your product development process while reducing infrastructure costs, IT overhead, software maintenance and complexity. All **3D**EXPERIENCE solutions work together seamlessly, simplifying data management, sharing and collaboration across your entire business ecosystem. 3D Motion Creator can take advantage of the following platform capabilities:

- Store all your design data in a centralized, secure location in the cloud.

- Manage the lifecycle of any type of content—such as 3D design files, simulation models and documentation—across disciplines and CAD applications.

- Streamline data management with built-in revision control and branching.

- Navigate tabular and 3D design data simultaneously, and easily validate the differences between two product structures.

Our **3D**EXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3D**EXPERIENCE Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our **3D**EXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit **www.3ds.com**.

3DEXPERIENCE®

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