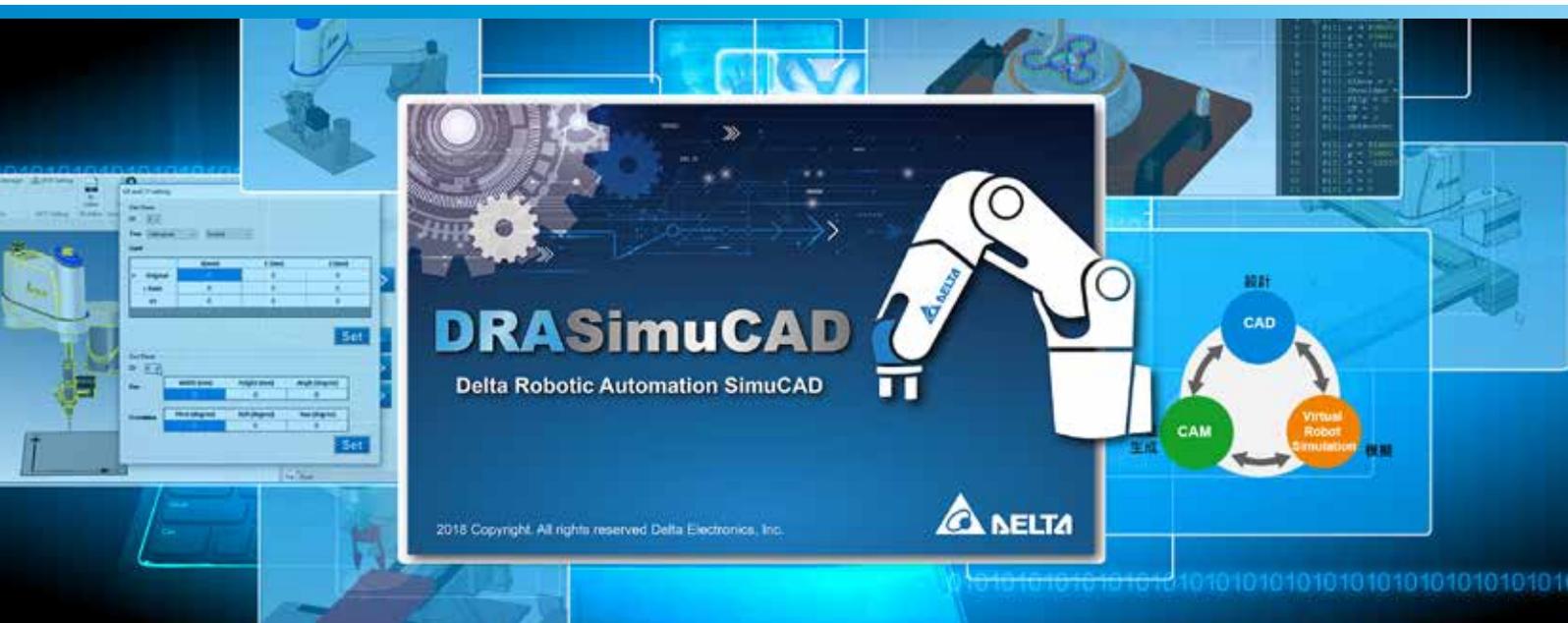Automation for a Changing World

Delta Robotic Simulation Platform
DRASimuCAD

One software for workstation design, simulation and operation path generation, saving setup time and boosting introduction efficiency

Features

This software features CAD/CAM design capabilities for robot workstation simulation, and supports modeling, robot programming, simulation, automatic processing path generation, as well as robot project creation and introduction.

Benefit

- Simulates the actual workflow and operation environment, allowing real 3D models to be imported to pre-assess the rationality of the robot and peripheral equipment settings

- Pre-inspects robot abnormities, detects collision and operation range limitation, saving teaching time and reducing errors when introducing the robot into applications

- Auto-generates path simulation and creates robot project for fast workflow design and programming to improve efficiency

CAD Modeling

- Complete 3D CAD design capabilities
- Built-in Parasolid and ACIS Dual-Core for mainstream CAD formats support, resolving the splitting image issue when importing/exporting image files
- Built-in robot, tool and application device library for easy drag and drop; preset actions links for fast simulation system establishment

Robot Simulation

Collision Detection

- Predicts any collision under operation
- Pre-inspects the operation range settings to eliminate repeated modification

Offline Programming

- Direct robot programming in robot language (RL)
- Same interface with DRAStudio, allowing teaching points, setting coordinate system (user frame / tool frame) and creating robot project
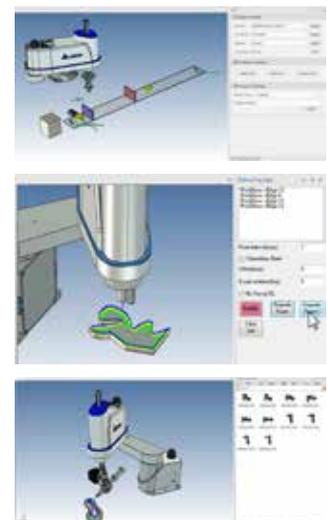

CAM

Automatic Processing Path

- Auto-generates processing path and combined with visual features for fast simulation

Application

- Conveyor tracking

- Deburring

- Shoe Pad Gluing

*We reserve the right to change the information in this catalogue without prior notice.

DELTA_IA-Robot_DRASimuCAD_ Flyer_EN_20200310

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