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**Zuken News**

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**E3.series 2025 Improves Design Efficiency with More Than Fifty Enhancements**

*New features simplify complex wiring system designs and panel layouts, increasing design precision*

**WESTFORD, MA, USA, and MUNICH, GERMANY, October 8, 2024 —** Zuken announces the release of E3.series 2025, introducing enhancements to support the designs of complex wiring systems. From sheet area assignment automation to simplifying part placement, this release has more than 50 improvements to the functionality and COM interface, making designing more accessible, faster, and more flexible. The release adds new tools to the E3.series suite and includes several enhancements to existing tools. The E3.series 2025 release has updates to simplify the process for control panel and detailed cable designs.

"With the E3.series 2025 release, we've focused on giving our users more control and automation than ever before. These enhancements aren't just about keeping up with the pace of modern design—they're about staying ahead of it. From dynamic documentation tools to more precise wire routing and automated processes, we've delivered a solution that enables designers to work smarter, faster, and more accurately. This release is all about making complex designs more manageable and efficient, so our users can focus on innovation.", states Paul Harvell, Vice President of Engineering for Zuken USA.

**Effortless Placement of Mounted Devices**

Multiple enhancements simplify control panel layouts, several of which relate to device mounting slots. In the 2025 release, the first update to improve mounting devices is the ability to define names for a model's slots. These names are helpful when working with a model with several slots defined, as it can be challenging to locate the desired slot.

Users can view these slot names in the project folder, like the Device tree, and use them with the subsequent enhancement for easy placement. Designers can easily drag and drop the models of components from the library or existing devices directly to the slot of a model in the Device tree. The model is then physically mounted on that slot in the panel layout. This new capability results in greater precision and reduced design errors.

Also new in this release are the expanded alignment capabilities and center alignment options for manual component placement in a slot area. For example, if a user selects a mounting plate and executes an align command, all components attached to this mounting plate are aligned. The enhancement makes aligning and evenly distributing mounted components easier, facilitating more effective placement.

**Simplifying Design Visibility**

Many new enhancements in E3.series 2025 help the designer see important data more efficiently. Users can now see any additional parts designated on a device in the Device tree. Moreover, they can see information applied to these parts in the Info column, like the quantity or description. This visibility provides an overview of which additional parts are stored on what equipment in the project.

Some additional enhancements to heighten the user's visibility of the design details are the options to streamline the from-to information in the connection table and reports. Starting with the update to laying new cores of a cable, E3.series connects the same device on the same side for the "from-to" information of the cores. Previously, this direction was dependent upon the direction of the graphic connection line. The release also includes a new option to run a command that unifies the wire directions of a cable to the same side. Unifying the core ends in the "from-to" connection lists increases traceability.

**Maximizing User Productivity**

With each release, Zuken strives to increase user efficiency to help boost design productivity. Adding new hotkeys, toolbar commands, or features that reduce the steps to accomplish a task all aid in improving efficiency. The 2025 release includes the ability to swap out complete connectors plugged into a mating connector. Both connectors are changed whether users switch to a connector with fewer, equal, or more pins than the current pair. In previous versions, users might have needed to unplug or delete the connectors before changing them. This extra step led to longer design time, potential loss of information, and design errors. The new streamlined approach to changing mated pairs eliminates these potential risks.

In many cases, companies use different visibility options for printing to compare what they see while designing. They may want to print drawings that are less detailed for easy viewing or to share with an external audience and need to remove confidential information. With the E3.series 2025 release, a new setting is available to define the level configuration file (.vis) for printing and exporting PDFs and SVGs. This new setting simplifies the process by eliminating the need to switch the level configuration, making printing quicker and easier.

**New Automation Capabilities**

For our customers designing complex control panels and switchboards, using multiple sheets to divide the product is a typical practice. If the sheet area is incorrectly defined, users will encounter collision issues while placing the components. In E3.series 2025, the area of a new panel sheet is assigned automatically to the next available free area. This automation replaces the manual effort of defining this area to the new panel sheet and prevents overlapping issues downstream.

In the 2023 release of E3.series, we introduced the ability to define drill holes based on circle graphics. The 2025 release expands this capability to include other contour options, restricted areas, and cutouts based on existing polygon graphics. The graphics are often imported and available from a drawing file or when creating a model from the STEP import. Using the imported graphics to automate the addition of contours further improves the process of building accurate component models.

E3.series 2025 is available now in North America and Europe. For more information on these enhancements and more, visit: <https://www.zuken.com/us/product/e3series/e3-series-release-2025/>

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Images and captions

Z0599-1 Zuken Slot Names

Caption: Slot names simplify the design process by helping designers easily identify and place components in the correct slots, enhancing precision and reducing errors.

A screenshot of a computer

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**Z0599-2 Zuken Unify Core Directions**

**Caption:** E3.series 2025 enhances user visibility on design details by streamlining "from-to" information and unifying wire directions.

A screenshot of a computer

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**Z0599-3 Existing Polygon**

**Caption:** Designers can leverage existing polygon graphics for accurate component modeling to define cutouts and restricted areas.

A screenshot of a computer screen

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**Press Kit**

Text and images are available for download: LINK

**About E3.series**

E3.series is the leading electrical design solution for cabinet, cable, wire harness, fluid, and power distribution design across all product categories. It enables multiple designers to seamlessly work on a project, automatically keeping data in sync with the help of its object-oriented design and intelligent central parts library. The tool suite also helps users eliminate errors and omissions with active and passive design rule checks. E3.series bridges the gap between automated assembly and manufacturing processes to allow a digital-first workflow from design to manufacture, helping users get closer to a true digital twin.

**About Zuken**

Zuken is a global software company delivering electrical and electronic design solutions. Founded in 1976, Zuken has a consistent track record of technology innovation and financial stability in the electronic and electrical design automation (EDA) industry. With its CR-8000 and E3.series product families, Zuken provides a robust lineup of system-level 2D/3D electrical and electronic toolsets complemented by comprehensive design data and configuration management capabilities.

Most recently, Zuken has embraced the digital transformation and, more specifically, digital engineering as the way forward with its entry into the Model-Based Systems Engineering (MBSE) industry. Today, Zuken delivers world-class design solutions, combining MBSE products and services with a mature, proven electrical and electronic design suite to address the needs of a broad range of industries across the globe. For more information about the company and its products, visit [www.zuken.com](http://www.zuken.com),  [www.zuken.com/blog](http://www.zuken.com/blog), or [www.linkedin.com/company/zuken](http://www.linkedin.com/company/zuken)

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**Feature Image (1022x480)**

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**Social Images**

**A blue and black computer screen

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