

# RITTAL

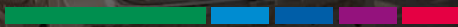


PARTNER PROGRAM



# AUTOMATION SYSTEMS AND DIGITALIZATION ENABLE ELECTRO-MATIC TO PROVIDE STREAMLINED SOLUTIONS

## SNAPSHOT



Electro-Matic develops global PDP solution for a major North American auto manufacturer.

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# INTRODUCTION

Big industrial automation challenges often require strategy, creativity, and collaboration across organizations. That was certainly the case when Rittal North America, EPlan USA, and Electro-Matic worked together on a global standardization of power distribution panels for a major North American automotive manufacturer. Now, using Rittal enclosures, Rittal Perforex machines, and EPlan Pro Panel software, Electro-Matic is able to provide this automotive giant a standard product at all 52 of its manufacturing facilities around the world.

## THE CHALLENGE

This major North American automotive manufacturer works with original equipment manufacturers and system integrators around the world to keep its assembly lines running efficiently. In the past, this led to inconsistencies due to OEMs following disparate standards. It also led to headaches as the customer was forced to deal with a long list of suppliers, parts, and pieces.



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**“With the utilization of Rittal Automated Systems, Electro-Matic has the technology and expertise to modify, assemble, and customize enclosures to meet our customer needs. We depend on our engineering team and the Rittal Perforex machine to automate this process. These tools give us the ability to machine custom enclosures with precision and accuracy — and much faster than traditional hand-cutting methods.”**

**- MARIO BARRACO,  
PRESIDENT OF  
ELECTRO-MATIC**

## A GLOBAL SOLUTION

Leveraging its long relationships with Rittal and EPlan, Electro-Matic developed a single-part solution: a fully assembled power distribution panel (PDP) that can be ordered worldwide using a single part number configuration of the customer’s specification. This package encompasses what used to be 40 unique part numbers and simplifies them into one custom product, representing significant time savings and increased ease of use for the customer. Programs and projects that the customer outsources to local OEMs around the world are now easily repeatable and scalable.

The PDP has been tailored to the customer’s requirements using a modification of Rittal’s flange mount disconnect TS 8 modular enclosure. All documentation is housed in EPlan, which means that making adjustments and changes to products using the same design downstream is simple.

In order to provide ongoing support, the companies worked together to set up transparent monthly reporting between Electro-Matic, Rittal, and the customer. These reports include forecast numbers so Rittal can ensure that Electro-Matic is always well stocked with the exact enclosures and accessories needed for every PDP build. This in turn guarantees that the customer’s plants operate without interruption or unnecessary downtime.

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# ELECTRO-MATIC AND RITTAL AUTOMATION SYSTEMS

Electro-Matic was one of the first Rittal partners in North America to offer on-site modification capabilities using the Rittal Perforex BC, a fully automated machining center that significantly accelerates individual production stages.

Today, Electro-Matic has three Perforex machines, two in its Metro Detroit facility and one in its Cleveland facility, which allows their engineering team to complete customer orders with faster turnarounds than ever before.

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**“Across the board, customers love that we can offer this value-add service. It saves them time and money while preventing errors, and it allows us to be more flexible to meet our customers’ needs.”**

**- MSARAH GRODEN,  
ELECTRO-MATIC’S RITTAL  
PRODUCT MANAGER**

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# ELECTRO-MATIC AND EPLAN

In panel manufacturing, one of the most manual and time-consuming tasks is wiring. But with EPlan Pro Panel and Rittal Automation Systems working together, this formerly manual task is automated. For Electro-Matic, this means major savings in upfront engineering time.

Plus, EPlan Pro Panel takes care of not only the 3D model of the PDP design but also important considerations like collision checking and thermal requirements so engineers know exactly where to place the power supply to prevent overheating.

## A SERVICE LEVEL OF EXCELLENCE

Are you facing a challenge similar to our global pharmaceutical research customer? Reach out to Rittal today, and our team of experts will work with you to provide an IT infrastructure solution to match your unique requirements. Whether you require worldwide availability, repeatable system configuration, or the high security options, we have the expertise and robust product portfolio to provide the optimal solution.

**“But it’s not just about the upfront engineering time or the documentation that is needed for manufacturing. “EPlan software brings in sourcing, how the documentation is being managed, and how you are storing the bill of material.”**

**- MARIO BARRACO,  
PRESIDENT OF  
ELECTRO-MATIC**

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