

# The power of collaboration working for you

PartnerNetwork™ solutions from Rockwell Automation

# FANUC

STRATEGIC ALLIANCE: ROCKWELL AUTOMATION AND FANUC: Streamline operations, maintenance, management, and intelligence with agile manufacturing systems

FANUC and Rockwell Automation design complementary solutions based on the Rockwell Automation Integrated Architecture™ with a complete hardware and software suite for your powertrain application. The Integrated Architecture production control and information system can help you improve productivity and reduce costs.

Today, within a complex system, more sophisticated devices are being used that need to be connected, controlled and have the ability to communicate data over integrated control and information networks. Additionally, these systems need to be integrated across multiple suppliers' machines in continuously shorter project cycles. To address the market challenges of the increasing complexity of machine systems, new safety and security requirements and the growing importance of information technologies, FANUC and Rockwell Automation offer a pre-engineered integrated automation solution for powertrain applications. This solution integrates FANUC CNCs and robots to Rockwell Automation cell controllers so manufacturers can more easily manage operations across equipment controlled by the two systems. This provides cost efficiencies, reduced set-up, better part quality, safer work environments, usable manufacturing intelligence and overall increased productivity.

For more information, please visit: <https://fanuc.com/>

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# FANUC



**Encompass™  
Product Partner**

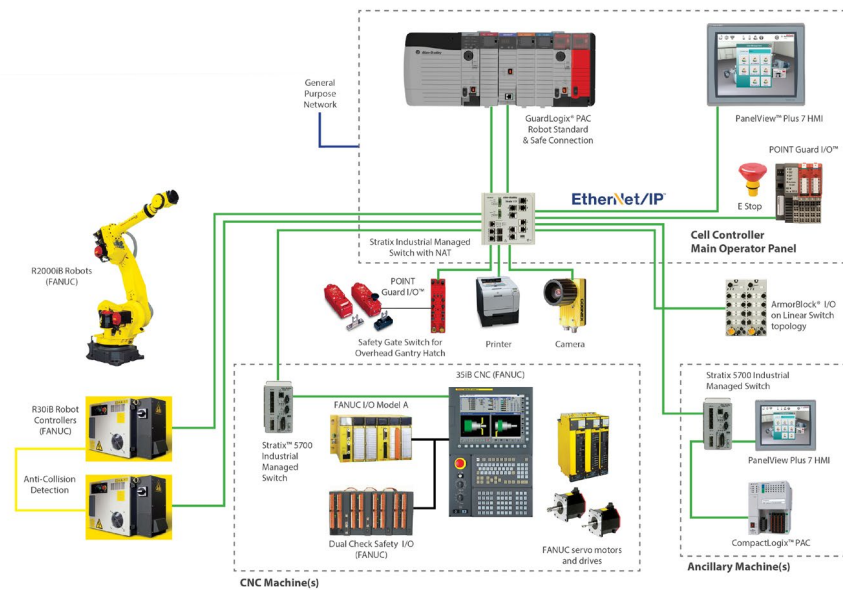
A ROCKWELL AUTOMATION PARTNER

FANUC has consistently pursued the automation of factories since 1956, when it succeeded in the development of the SERVO mechanism for the first time in the Japanese private sector. With its three pillars consisting of the FA business, which encompasses FANUC's basic technology of NC (numerical control) and servos, the ROBOT and ROBOMACHINE businesses which apply this basic technology, and the open platform, "FIELD system," which is a manifestation of IoT, FANUC contributes to the manufacturing industry in Japan and overseas by promoting automation and efficiency in manufacturing.





## Joint Rockwell Automation and FANUC Powertrain Architecture



## Realizing the customer need for an integrated solution

Feedback from mutual customers indicated that more simplified architectures and common tools for integrating CNCs and PACs would help reduce total lifecycle costs. That combined with the integration and global reach and support of FANUC and Rockwell Automation – two of the most popular platforms in North America and throughout the world, deliver great value.

Rockwell Automation and FANUC support IP-based networks, specifically EtherNet/IP, as our preferred network. Utilizing EtherNet/IP and a modern secure Ethernet infrastructure enhances connectivity to smart devices, controllers, machines and production lines as a whole to give you greater insight and enable The Connected Enterprise.

Custom Add-On-Profiles and pre-defined Add-On-Instructions ease the integration of Robot, CNC and PAC control systems. Enhanced Data Access for FANUC robots simplifies loading and integration of data. CIP Safety support from both companies shows the value of integrated safety, simplifying and enhancing the design and implementation of safety solutions, with continuous efforts to further future collaboration.

## Cost-effective management of production

Rockwell Automation is the largest company in the world dedicated to industrial automation and information. FANUC is the worldwide leader in robotics, CNC systems and factory automation. Together, we can provide the products and resources you need to help integrate your controls with your network:

## SIMPLIFIED ARCHITECTURE

- EtherNet/IP streamlines design and implementation
- Documented tools and training – save time, reduce risk, reduce cost

## INTEGRATED SAFETY

- Improved safety provisions including machine guarding and diagnostics
- Safety signature aggregation: easily identify and manage safety changes
- CIP Safety on the same EtherNet/IP network

## MANUFACTURING INTELLIGENCE

- Improved quality, quantity and usability of KPI data for better decisions and improved performance
- Production and machine information easily transferred to enterprise IT systems

## IMPROVED PRODUCTIVITY

- Reduced system engineering and commissioning time
- Custom AOPs & AOIs ease Robot, CNC & PAC integration
- Common visualization environment
- Enhanced diagnostics

## Partner for success

The integration features between Rockwell Automation and FANUC continue to grow each year. Future efforts will focus on IIoT, secure connectivity and an integrated design environment. Current documented best practices include:

- [Powertrain Production Systems](#)
- [Pre-engineered Integrated Automation Solution for Powertrain Applications](#)
- [Solving issues for Automotive Plants](#)

**Rockwell Automation**  
**PartnerNetwork™**

The PartnerNetwork™ program is a framework of well-managed relationships formed as a result of customer need. It provides manufacturers with access to local, regional and worldwide networks of best-in-class suppliers. These specialists offer the industry experience and technological know-how to help solve business challenges both large and small. Through the PartnerNetwork™ program, Rockwell Automation delivers a wide array of solutions, easier access to knowledge and consistent delivery of solutions to help improve our customer's business results.

A large automotive OEM reported

**16% SAVINGS**

in wiring costs alone on its very first implementation of the Rockwell Automation and FANUC joint architecture, which they have since delivered across hundreds of machines globally.