

SUCCESS STORY

OMRON

MEXICAN COMPANY **AFEIN** MAXIMIZES ITS PRODUCTION TIME BY **300%** USING **OMRON EQUIPMENT**

BACKGROUND

Product packaging fulfills a lot of functions, from protecting the freshness and safety of food to attracting the eye of the consumer so he chooses it from among the other options on the shelf. Given the challenges of the current market, packaging faces the need of being more attractive, safe, functional and innovative.

OMRON understands that the packaging industry faces the challenge of obtaining a high-quality consistent product, maximum performance, and machines that provide an optimum efficiency with the flexibility and scalability that meet costumers demands. That is why they offer fully integrated and specifically designed solutions for these companies.

BUSINESS NEEDS

AFEIN, S.A. of C.V. is a Mexican company, a manufacturer of original machinery, electrical cabinets, mechanical assemblies, programming of boards, as well as automation and design of industrial equipment. For more than 20 years they have worked with OMRON technology.

Currently, they provide production

solutions for the main bread-making companies of the country with motion control technology and flow pack, which led them to venture into the print automation of printers.

CUSTOM SOLUTIONS

The objective of AFEIN was to go even further using an innovative and simple control system.

AFEIN works with processors, screens, servomotors, temperature controllers, power supplies and OMRON sensors, which make the integration of all the components much easier, facilitating their configuration and making the operation friendlier, while controlling and managing incidents in real time.

OMRON Sysmac integrated automavtion platform offers an absolutely intuitive system for the user, using machine controllers (MACs), NJ, human-machine interfaces (HMI) and faster communication protocols such as Ethernet / IP and EtherCAT.

Thanks to this, the users managed to have absolute control of the production by managing all of the operating parameters.

- **Current packing and packaging demand better production times with safety and quality.**
- **OMRON offers solutions to the packaging industry, with customized automation, accompanied by specialized advice and training.**
- **Automation allows multiplying the speed of production, reducing costs, with minimum maintenance and fulfilling all safety standards.**



STUDY CASE

OMRON

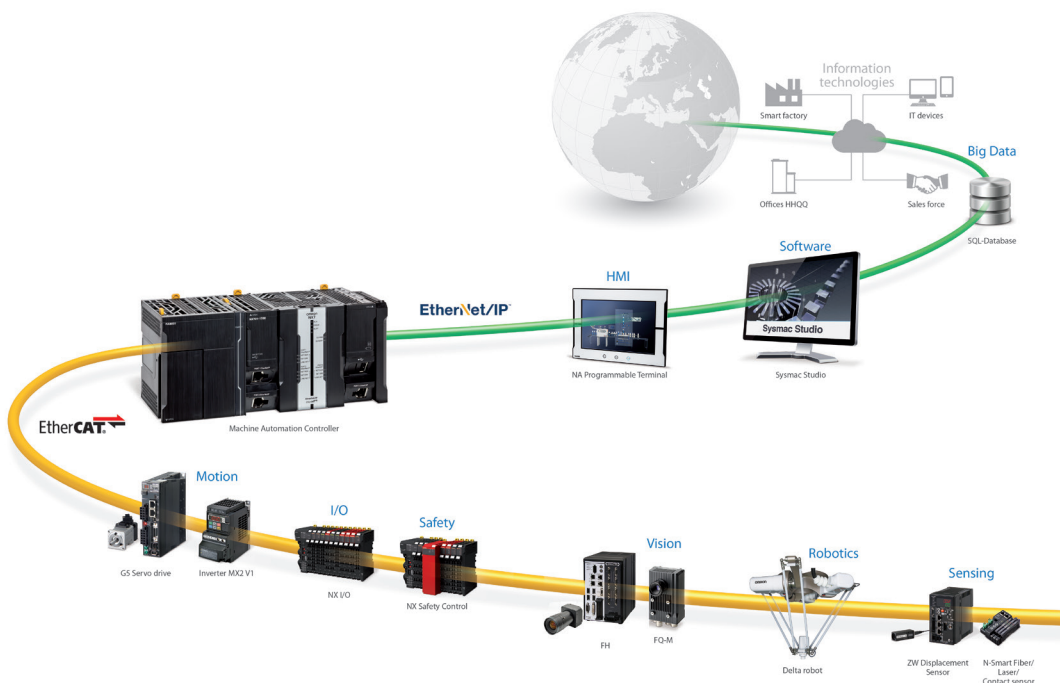
MEASURABLE SOLUTIONS

Thanks to the following results, today **AFEIN S. A DE C.V competes in quality and efficiency** with different international companies:

- 1. Reduction of the manufacturing time**, not only by having a greater number of packages but also by the speeds reached. **Speed production is multiplied by 300%**
- 2. Mechanical failure interruption to 0%**
- 3. Production losses: 1%**, the product's loss is due to waste. Decrease in costs, improving the quality of the final product
- 4. Maintenance: Only two mechanics are required per day** for the operation and one preventive maintenance every two months
- 5. Ease of operation**, thanks to the friendly **OMRON control system**
- 6. Compact and robust machine design**, grouping in a single set all the additional equipment required for its operation, which achieves a **reduction of the machinery of 80%**

"The equipment is robust, it can work for 24 continuous hours, 365 days a year and without problems"

Carlos Cabrera, AFEIN S.A. de C.V. representative



Omron Automation is a global partner that creates, produces and provides services for integrated automation solutions. It offers controls, security, vision, movement, and robotics for the automotive, semiconductor, food and beverage, packaging, pharmaceutical and infrastructure industries.

For over 80 years, Omron has helped the industry solve their needs creatively. Currently led by its president Yoshihito Yamada, the company has 36,000 workers who provide products and services in more than 110 countries around the world.

Learn more at: omron247.com