

**PROFILE**

**INDUSTRY:** Automotive  
**NAME:** Interplexico  
**LOCATION:** Mexico

**OBJECTIVE**

Interplexico identified a need to upgrade automation technology used in its automotive parts production line to improve production efficiency.

**SOLUTION**

With help from Epson's Mexico distributor Kopar, Epson 6-Axis C8 robots were installed to optimize terminal loading and unloading operations within Interplexico's injection molding manufacturing process.

# Interplexico Mexico upgrades technology operations with Epson robots

## Global technology solution provider improves fleet technology in Mexico facility

A global company with over 100 years in the market and facilities in 14 countries, Interplexico is a trusted technology solutions provider to businesses in industries spanning automotive, aerospace, science, and telecommunications.

At its automotive plant in Jalisco, Mexico, Interplexico identified a need to improve production efficiency for one of its automotive parts production lines. This improvement process required the upgrade of obsolete, low repeatability automation equipment associated with the loading, unloading and inspection of vehicle and transmission parts. The low repeatability of the existing technology was negatively affecting line efficiency, requiring constant manual intervention to adjust and correct manufacturing defects. As a result, Interplexico was unable to meet the high-volume demands of their customer, an automobile manufacturing company.

**Solution: Deployment of Epson 6-Axis C8 robots for terminal loading and unloading during injection molding process**

In search of new equipment to streamline production, Interplexico reached out to Kopar, Epson's industrial automation technology partner in Mexico. The production line was analyzed with the A3 lean manufacturing process to identify the cause of its low efficiency.



A Pareto analysis quickly detected areas for improvement and established next steps for this time-sensitive project. Kopar, who has been a dedicated partner and distributor of Epson for many years, recommended Epson's 8 kg C8 6-Axis robot as a solution for the terminal loading and unloading operation of Interplexico's injection molding process. Together, Epson and Kopar delivered the C8 robots in record time with rapid local support throughout the implementation.

***“Our recommendation was to use Epson Robots technology because it was a robust solution for the application required. In addition, one of the main challenges was the implementation time of the equipment. The customer had only one week to have the application on line. Epson Robots is one of the leading brands in our catalog and has enabled us to be at the forefront in the industry, as well as with our customers, delivering robust, easy-to-use robots.”***

- OMAR GRACIA, BRAND COORDINATOR OF KOPAR



Epson controllers handling all deployed robots greatly simplified the programming tasks and overall implementation time during the installation. As Interplexico could use Epson's robot controllers as a master system, they only needed to use the PLC for communications between the plastic injection press and the robots. This greatly reduced debugging and programming times. Developing this application in the Epson RC+ environment was extremely easy and allowed Interplexico to restart manufacturing operations very quickly.

With the support of Kopar, Epson's 6-Axis C8 robots were integrated into Inteplexico's production line in a record time of five days with a total of five resources: three engineers and two technicians. Epson and Kopar delivered on the promise made during the sales process, quickly installing this new Epson technology in the automotive parts line and increasing manufacturing productivity by nearly 50 percent.

***“Adding Epson equipment to our production meant having the reliable support and service that this brand provides, and knowing they are committed to offering solutions that meet our customers’ needs.*”**

***In fact, if we had to choose three attributes of the brand that have influenced our choice, they would be their connection with the customer, their passion reflected in enthusiasm and attitude towards the projects, and finally, their communication as the basis for establishing successful relationships with prospects and customers. These reasons ensure that each project where an Epson robot is involved becomes a successful project for Interplexico.”***

- SET GUZMÁN, OPERATIONS MANAGER OF INTERPLEXICO.