

# The OPN-2006 Bluetooth Companion Scanner in Automotive Production: Fiat Chrysler Automobiles



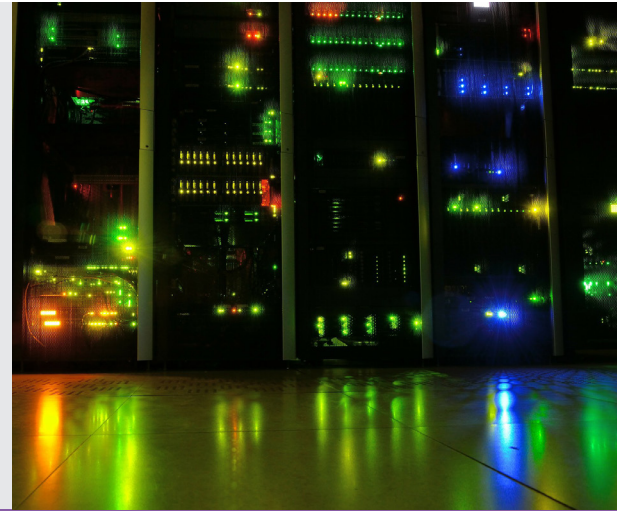
**TECNO ITALIA**  
SCREWING SYSTEMS

**OPTICON**  
We scan, connect and communicate

## Introduction

Tecno Italia is a highly specialized company in the design and construction of power tool tightening systems. They have been active in automotive applications for several years, designing and integrating solutions best fit for customer specifications and requests.

Each screwing operation in the industrial sector is stored in a central computer system with a series of technical data for each screw or bolt used. A certified server receives this data and guarantees its retention for at least 10 years. The data is sent continuously by the screwing systems, which are equipped with a WiFi connection.



## The Situation

Currently, each car to be manufactured has a specific identification sheet detailing the parts and operations needed in production. Operators in their workstation assemble the required parts (right door, seat, wheels, etc.) by identifying each unique component through barcodes.

Previously, operators were using industrial cabled handheld readers. These were heavy, uncomfortable to wear, expensive and easily damaged if dropped. Some slightly damaged 1D barcodes were unreadable, and there were reflection problems with shiny material labels. Because of this, the operator had to stop, go to the computer to manually enter the code or ask the plant manager to replace the reader causing a disruption to work flow.





## The Solution

Tecno Italia created a workstation with an industrial terminal / PC. Operators are now using an OPN-2006 (1) to scan barcodes, and use its SPP Bluetooth communication to send the data to a BT. RS2323 adapter (2).

Tecno Italia also developed a cradle (3) for the OPN-2006, allowing each operator to have two OPN-2006's available at a time. Because of this, scanning error has been virtually eliminated in production, and operation efficiencies have improved. More than one thousand OPN-2006's are now used in FCA (Fiat Chrysler Automobiles) plants around the world.

## Opticon Products

Because of its small form factor and high scanning performance, the OPN-2006 was the perfect solution for Tecno Italia. Being incredibly lightweight, every operator carries a scanner with him/her comfortably throughout the day. For safety reasons, he/she does not wear the scanner around his/her neck, but attached to his/her belt using a spring system, so the reader is always accessible.

Opticon's OPN-2006 was the selected barcode scanner to use in the production of cars in FCA Automobile plants thanks in part to its high speed pairing capabilities to the Bluetooth adapter, speed of data transfer and the excellent reading performances. Considering that a few minutes of production delay can result in losing several thousand euros, a fast and reliable barcode scanner can make a huge difference to a company.



## About Opticon

From the start, over 40 years ago, Opticon has been one of the first companies in the world to specialize in manufacturing barcode scanners. At the time, barcode scanning was a revolutionary new technology used to identify information at any location.

Inventory management, asset management, order picking; all these disciplines made huge progress on efficiency thanks to Opticon's barcode scanners.

### International Supplier

From this pioneering stage, we have evolved into an international supplier of a wide range of 1D and 2D scanning solutions; including point-of-sale scanners, rugged mobile devices and pocket-sized Bluetooth scanners.

These innovative answers to practical demands in the workplace have seen our presence expand to over 65 countries.

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