

More efficient processes in the after-sales area of a major German car manufacturer with **Wearable Scanners from ProGlove**



Case Study

FIELDS OF APPLICATION OF PROGLOVE'S INTELLIGENT GLOVE - MARK

ProGlove is known for its smart glove MARK, which replaces the traditional pistol-grip scanner. It enables workers in manufacturing and logistics to work faster, safer and more ergonomically. This increases both efficiency and quality.

With MARK the process steps can be documented hands-free.

In addition, the user receives direct feedback via his intelligent glove. Through new data points, ProGlove allows companies to guarantee a higher level of business intelligence in production and logistics processes. **Since 2016, ProGlove's Wearable Scanners have been in use in the central after-sales warehouse at the BMW Group site in Dingolfing - to date a total of 522 MARKs.** The BMW Group location in Dingolfing is also home to the heart of the company's worldwide after-sales logistics, the so-called Dynamics Centre at plant 02.70. From here, the entire BMW and MINI trade organisation worldwide is supplied with original parts and accessories.

SIMPLE AND FAST IMPLEMENTATION

Since the ProGlove scanners follow a plug & play approach, no complex system connection is necessary.



The access point is connected to a PC, IPS, terminal or tablet via a USB or RS232 cable. It receives the data from MARK via an 868 MHz frequency and then transmits it to the company network. Using the configuration tool included in the scope of delivery, the intelligent glove can be set up according to individual requirements. User-defined prefixes and suffixes can be configured to facilitate processing and categorization of the collected data.

Thus the technical connection is simple, fast and does not present any significant hurdles.

The complete rollout of the scanners took a total of 4 weeks at the Dingolfing plant. The initial test with the intelligent glove from ProGlove was carried out in February 2016, **followed by the transfer of the product into the line and successively rolled out across the entire plant 2.7. Since then MARK has been in permanent use.** ▶

ERGONOMIC AND SAFE

The intelligent glove helps to create improved working conditions for the employees. In addition, it helps to make production and logistics processes even more efficient by simplifying workflows and saving on work steps. Prior to the introduction of the intelligent glove, a standard pistol-grip scanner weighing around 13.5oz was used. **Thanks to the 1.4oz lightweight and smaller ProGlove scanners, this load, which had to be lifted repeatedly, could be reduced almost tenfold.**

A massive relief for the employees, which quickly adds up to several hundred kilograms per day. Because in a single day they scan a thousand times.

In addition to an improved ergonomic balance, the innovative glove does not interfere with the „natural“ movements of the employees.

Its light weight as well as the ergonomic and easy handling are clear benefits of the intelligent glove from ProGlove. The employee now has both hands free. **Wearing it on the body also eliminates the need to reach around when scanning at higher shelf levels. This ensures a higher level of work safety.** Activities can therefore be carried out more safely and, thanks to exact scanning results, with a significantly reduced error rate.



INNOVATIONS FROM PROGLOVE

With the recently released MARK Display, the first ProGlove scanner with a 1.54" e-ink display, employees will be able to see all important information at a glance.





MARK Display adds intelligence to picking, sorting and sequencing processes by delivering only the essential data that workers need to be efficient and perform at their best.

The intuitive display and audible and haptic feedback guides workers through their processes, saving up to 6 seconds per scan and reducing errors by up to 33%.




**Learn more about it.
Call for a free consultation!**



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