

MES Production Software

In the highly competitive automotive industry, companies are constantly having to tighten quality control and improve management and technology.

Dayco, european leader in transmission belt manufacturing has taken on the challenge of improving technology and acquiring know-how and commissioned.

Taiprora develop an application for line supervision.

The main functions of the system are:

- monitoring production advancement
- collection of data for quality control
- tracking of finished products
- anti-error capabilities



The heart of the system is consists of a supervision pc and a backup pc.

On the control side, the supervision pc is connected to a lan network with quality department and with the as400 main-frame, on the production side, the supervision pc is connected to the various plcs and a rs485/rf network of barcode readers.

The supervision system used odbc for connection to an sql server 7.0 database
All the following objectives have been achieved:

- process improvement
- quality improvement
- support to maintenance activities
- integration with quality control systems
- integration with management systems

The anti-error functions have reduced waste by 40%.

Thanks to barcode technology, process data is available at real-time and has provided and efficient tool for data analysis.