

Case study: Parcel Industry



TNT EXPRESS Annecy France

Caljan Rite-Hite suggested a line featuring the newly developed ParcelTrack type Nano. Legal for trade, ParcelTrack Nano is able to register and weigh parcels of all shapes. Considering the need for accurate barcode reading and higher capacity and their experience with Caljan solutions to date, TNT opted for the Caljan proposal.

Increased productivity, improved working conditions. Further to increasing capacity and improving performance, TNT operations wanted to improve the work environment. As there is now a minimum of manual handling, employees can work more ergonomically. There is less lifting and fewer pivoting movements, reducing the risk of musculoskeletal disorders. Audio signals have been supplemented with visual signals to accommodate employees who are hard-of-hearing or deaf. Caljan Rite-Hite trains employees to use the equipment, ensuring that it is used correctly and ergonomically. Approx. 8,000 parcels are processed by the hub daily, which is well within the capacity of 1,200 parcels per hour that was handled by the Nano line during testing. Even at these high speeds, 96% of the barcodes were read automatically.

The challenge. Parcels are collected at depots throughout France and transported in small vehicles to centralised hubs for sortation and distribution. Previous to purchasing the Caljan Rite-Hite equipment, each parcel was identified and weighed in a non-dynamic process. This process was capable of handling just 600 parcels per hour.

Unfortunately, the barcode scanner missed about 17% of the parcels, so these had to be scanned manually – further slowing down the process.

In addition to the poor performance level, the registration equipment was becoming more costly and more difficult to maintain, so TNT Express decided to replace it.

TNT Express in France uses Caljan ParcelTrack data registration equipment at a number of locations, so it was logical to consider investing in this type of equipment. However, the ParcelTrack type CPA, which is most frequently used by TNT, was considered to be too powerful for the requirements of this particular hub: A featherweight version was required.

A specification was drawn up and a number of companies were invited to tender:

- Capacity of 700 parcels/hour
- Minimum parcel dimensions of 150/150/50 mm
- Maximum parcel dimensions of 1400/800/800 mm
- Automatic omni-directional barcode reading
- Dynamic weighing – from 250 g to 40 kg

The difference between CARING and cherishing is CALJAN

M Christine Bandaranayake Industrial Engineering



»Through my work in the industrial engineering department for TNT Express in France, I have worked closely with Caljan Rite-Hite. One of my responsibilities is to optimise processes and the flow of parcels in sorting hubs throughout France. We have opted for Caljan ParcelTrack in several installations with good results.

The ParcelTrack Nano line has proved itself to be more than capable of the task. We have tested it at a through-put of 1,200 parcels per hour and the auto-scan function has proved to be better than 96%.

When we discuss potential projects, Caljan Rite-Hite's DWS people present a complete solution that is well thought-out. They are proactive in their ap-

proach and spend time discussing technical issues in depth.

I am really satisfied with the equipment supplied by Caljan Rite-Hite and recommend them to companies that need to identify and weigh parcels.«

TNT Express - The facts

TNT NV, a registered, publicly owned company, is among the four largest parcel carriers in the world transporting 4.7 million parcels and packages by road and air each week. The company employs more than 83,000 employees world-wide in 64 countries. Operating in 200 different countries, the company has 2,653 sorting hubs and depots and a fleet comprising 30,239 vehicles and 50 aeroplanes. The global headquarter is located in The Netherlands.

TNT Express France is a wholly-owned subsidiary of TNT NV.

In France more than 370,000 parcels are delivered daily. Approx. 5,000 people are employed by TNT Express in France, working at 120 sorting hubs/depots and 6 air bases.



Handling loose-loaded cargo with ease

Denmark (HQ)

Caljan Rite-Hite ApS
Ved Milepælen 6-8
DK-8361 Hasselager, Aarhus
T +45 87 38 78 00
E info@caljanritehite.com

CS0042-01_GB • 08/2017
© Caljan Rite-Hite

Follow us:   

caljan.com