

Neopost (Drachten)

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Founded in 1924, Neopost has grown to become a **global leader in mailing solutions**, and a **major player in digital communications and shipping solutions**

€1.1bn of revenue in 2016 and listed at **Euronext Paris SBF 120 index**



Neopost Technologies BV – Drachten (NL)



**Engineering & manufacturing site for
Neopost Shipping and Mailing division**

Headcount in Drachten 250 – 300 FTE

Manufacturing & Assembly 125 – 175 FTE

Engineering 60 FTE

Member of Innovatie cluster Drachten



Innovatiecluster
high tech systems Drachten



Send
Receive
Connect

Innovatie Cluster Drachten

Send
Receive
Connect

Deelnemende organisaties

Drachten | Smallerland

provinsje fryslân
provincie fryslân



Resato



norma

PHILIPS

VARIASS
follow our lead



Generating Confidence



s[&t

Your Partner.

PHOTONIS

ZIUS.
visual intelligence



KWANT CONTROLS
sneek-holland



ASTRON
Performance solutions for Radio Astronomy

STORK
A Fluor Company

Send
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Connect



Offer solutions from order till last mile

Solutions for e-merchants, e-fulfillment service providers and other shippers



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CVP-500

NEW
THINKING IN
FULFILLMENT



What is the CVP-500; explained by video

- Creating fit-to-size boxes in all 3 dimensions
- Comedian @ Mason: <https://www.youtube.com/watch?v=W85qDaiofVI>
- Bonus: <https://www.youtube.com/watch?v=W-CDh-QbXq0>

Unique combination of added value for packing automation



10 times faster than manual fulfillment

+



Up to **50% reduction** in shipping **volume**

+



Packing **medium & large** products with a **high variety** of dimensions in any order

+



Significant cost savings by using **20% less** cardboard and **no backfill material**

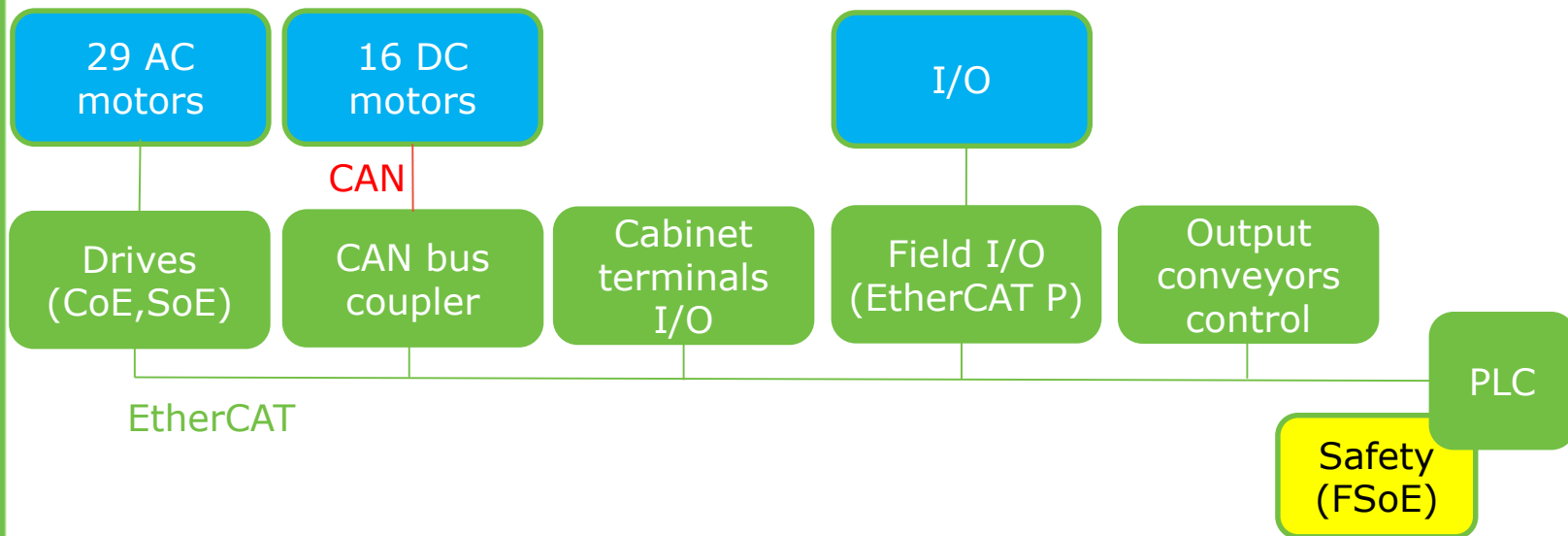
Technical key data CVP-500

- Mechatronic components in cardboard cut and box setup process.
 - ± 150 I/O (eg. sensors, doors, lights, valves)
 - 16 DC motors,
 - 23 AC synchronous motors,
 - 6 AC drummotors, 3 roller conveyors,
- HMI module for operating guidance, error handling & service functions
- PC application to interact with customer's WMS
- Barcode scanner to identify order
- 3D scanner to measure object dimensions
- Scale to measure the weight of the box
- Label printer to print & apply carrier label
- Optional 4-axis robot module to insert invoice into box



EtherCAT bus topology

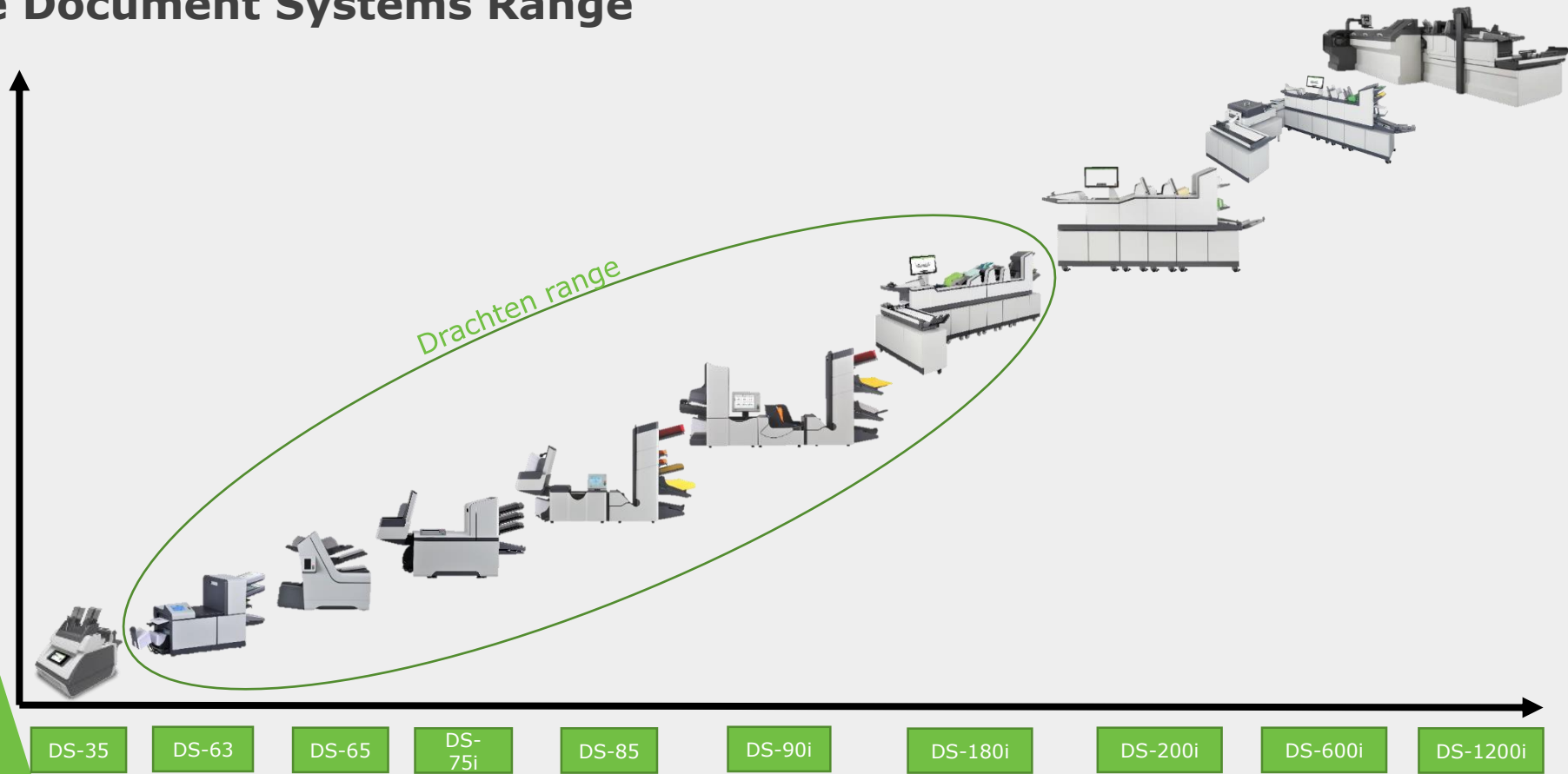
- **EtherCAT bus to control mechatronic**
- For “**hard**” real-time control
- Motion cycle of 1 ms, Control cycle time of 1 ms



Document Systems



The Document Systems Range



Key technologies - hardware

- Glass cover capacitive touch screen



- Wifi/LAN connection



- Contact Image Sensor to read e.g. barcodes, OCR

- VariScite iMX6 SOM



- LPC1788 embedded processor

Key technologies - software

- GUI / Connectivity
 - Linux operating system
 - QT
 - Visual Studio 2013/17
- Embedded
 - 'NeoBase' – propriety embedded control layer
 - IAR 7.x environment