

## ATOS Worldline holds the key to your security

Almost every time a PIN is entered at an ATM, or a customer buys petrol with his credit card and a financial transaction is authenticated in Belgium you can be sure that ATOS Worldline has allowed it to happen.

ATOS Worldline brings together ATOS Origin's core expertise in

high-tech transactional services and employs nearly 5000 people in Europe.

In October 2009 they upgraded their PIN equipment to an Otto Künnecke PHS-SL. With this system, they provide PIN mailings for most of the major financial institutions, petrol companies and

loyalty customers in Belgium. ATOS Worldline has issued over 26 million PINs to date.

The Künnecke PHS-SL is just one way in which ATOS Worldline ensures that the security of its clients and their customers is completely uncompromised.

## A typical day for Otto Künnecke's PHS-SL at ATOS Worldline

- The print manager and the operator each have a key to access the machine. Only with both present can the guards be opened. The print manager is called to the machine and, together with the operator, uses his keys to open the machine. The machine is then set up using test stock.

1. A blank matrixed cut sheet is loaded into the laser printer.
2. The PIN data is streamed to the laser printer from the print manager's secure laptop.
- Using the two keys, the system is physically locked. The secure room is also locked. Production is only possible when the machine is disconnected from the network.
3. The PIN is decrypted and merged with the document template.
- Once the PIN has been printed, the printer cache is overwritten with 000s.
4. The carrier is printed and personalised.
5. A security scratch off label is applied.
6. A verification system checks the presence and position of the label to ensure that the PIN is covered.
7. Any documents failing inspection are rejected to a locked bin which requires both keys to open.
8. Documents that meet the ATOS Worldline standard are transferred to a shingle delivery.

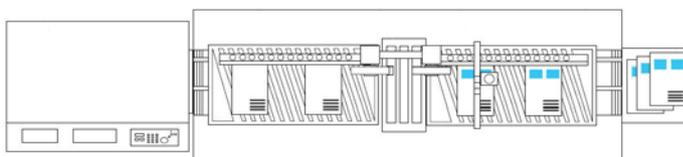
## What does ATOS Worldline think of the PHS-SL?

Dirk Blockerye is the Print Manager at ATOS Worldline. He oversaw the installation of the PHS-SL in October 2009. Dirk is responsible for maintaining the integrity of the data and the day to day running of the machine.

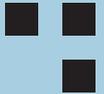
"We invited some manufacturers to tender for the replacement of our old PIN system. We made the right decision in choosing Künnecke. The PHS-SL

is for ATOS Worldline an Integrated Concept for an Intelligent PIN Production and a smart way to increase productivity and save costs. Production time is shorter and day to day delivery time has become an ATOS Worldline standard.

Our PHS has minimal downtime and can be relied upon to issue documents quickly and securely. If volumes increase, I would be very happy to see another PHS-SL at ATOS Worldline"



For more information on ATOS Worldline and their services please visit [www.atosworldline.be](http://www.atosworldline.be)



## The PHS-SL

The PHS-SL was designed to improve the security of PIN issuance. By printing the PIN and covering it with a security label on a single machine in one pass, not only is the risk of missing documents eliminated it also protects the vulnerable PIN from being visible between processes.

The system uses standard laser paper. To prevent fraud, the back of the paper usually includes a security matrix, ensuring that the PIN is not visible from the rear of the document. Some matrices are printed with sensitive thermal ink which will migrate to cover the PIN if attacked with chemicals or heat. Once the tamper-proof security label has been applied, the carrier can be folded and inserted inline if required. It is impossible to open the double-locked opaque guarding whilst the machine is in production mode, guaranteeing customer confidentiality.



Mrs Elizabeth Mountbatten  
UK Managing Director  
Buckingham Palace  
London  
SW1 1AA.

Dear Majesty,

Thank for your continued support for GBP. Although we are not doing so well at the moment, we are sure that with some more money from you we can continue to offer our employees the incentives they demand for single handedly destroying your economy.

We are pleased to supply you with your new PIN number, to accompany your new 60% APR GBP Super-Card. While we regret to inform you that your limit has been reduced to £10, we hope that you continue your spending trend.

Please destroy this letter by the various means at your disposal. Unfortunately, locking it in the Tower of London will not suffice on this occasion.

Yours sincerely,

Glenda Brown.



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5649

Please scratch here to reveal you PIN



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## PHS-SL Options

Inline folding - inline inserting - cut sheet feeder  
- continuous sheet processing - document nesting -  
OCR, RFID, 2D, barcode verification

For more information on Otto Künnecke and the PHS system, contact Lindsay or Carl at Unique Finishing on 01727 899900.