Secure decentralized personalisation



nita



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Secure decentralized personalisation systems for documents

Governments worldwide issue a large number of certificates and various security documents in local Document Offices in order to provide the citizens with instant service even at remote locations. The base paper of these documents contain several security features, like security fibres, watermark, graphic elements (guilloche, relief), UV print. None of these features, however, provide the authorities with efficient protection against criminals counterfeiting the changing information of the documents. This is normally printed by commercial printers using normal ink, therefore very easy to counterfeit.



To bridge that gap Document Security Department of ANY Security Printing Company PLC has developed and produced inks that contain special security materials and office printers with enhanced security features. These printers allow unequivocal validation of the authenticity of the texts and identify any potential alterations to them.

They are particularly effective in the printing of contracts, certificates, invoices, statements, as well as documents completed on site.



Printer equipped with an opening control device

Our experts can provide you the following services:

- Consultancy, assessment of requirements
- Design of security document
- Development of customised security ink and printer
- Supply of system
- Certified partnership
- Training
- Supply of consumables

DESKTOP INK-JET PRINTERS

Our Company has been developing and manufacturing inks compatible with commonly traded office inkjet printers yet containing a special security marker. The great advantage of printers working with such inks is that the originality of printed texts or counterfeit of the content can be shown unambiguously. The application of this product provides the advantage of the relatively cheap price of a commercial printer and the security of a special printer.





SOME EXAMPLES FROM OUR RANGE OF INK-JET INKS:

| | INVISIBLE | | VISIBLE |
|--------------------|--------------------|---------------------------|----------------------------|
| UV (365 nm) | UV (254 nm) | UV (365/254 nm) | UV (365 nm) |
| SPC 450.000 | SPC 000.545 | SPC 450.613 | SPC AY 250 Dyed Yellow |
| Fluorescent Blue | Fluorescent Green | Fluorescent Blue/Pink | Fluorescent Yellow |
| SPC 545.000 | SPC 000.562 | SPC 545.613 | SPC AB 002 Dyed Black |
| Fluorescent Yellow | Fluorescent Yellow | Fluorescent Yellow/Orange | Fluorescent Greenish Blue |
| SPC 570.000 | SPC 000.613 | SPC 570.545 | SPC PB 056 Pigmented Black |
| Fluorescent Orange | Fluorescent Red | Fluorescent Orange/Green | Fluorescent Greenish Blue |

DESKTOP LASER PRINTERS

ANY PLC offers a complete production line of decentralized personalisation that contains laser printer (filled with special toner) and heated roller laminator. The special toner is for data protection and lamination for additional fixing of the toner. These systems are especially suitable for the paper like documents (e.g. neobond) that cannot be personalised in another way. The security of documents can also be guaranteed through local issuance. The prints can be easily checked with the help of UV light and special equipment. All written text remains legible, even if the visible colour of it were removed or rewritten on



the paper. This product line also utilizes commercially available devices, therefore the system is relatively inexpensive compared to other security personalisation systems. Furthermore, we are able to supply toners for certain types of printers

SECURITY TONERS

Our printers use toners which contain special fluorescent additives in black or other colours, as well as colourless toners visible only in UV light. These toners fluoresce at 365 nm with red, yellow, green or blue colours.



STAMP-PAD INKS

Stamping is the **oldest authentication device** and remains prevalent in many countries. In the past it afforded high levels of security because the stamps' sophisticated engravings were nearly impossible to reproduce. Presently, however, an additional layer of security is highly recommended. ANY Security Printing Company PLC provides this through its line of special stamp-pad inks, containing the following characteristics:

- special colours
- visible with luminescence or
- invisible but luminescent or
- bi-fluorescent (reveal different colours
- depending on the wavelengths of the UV sources)



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