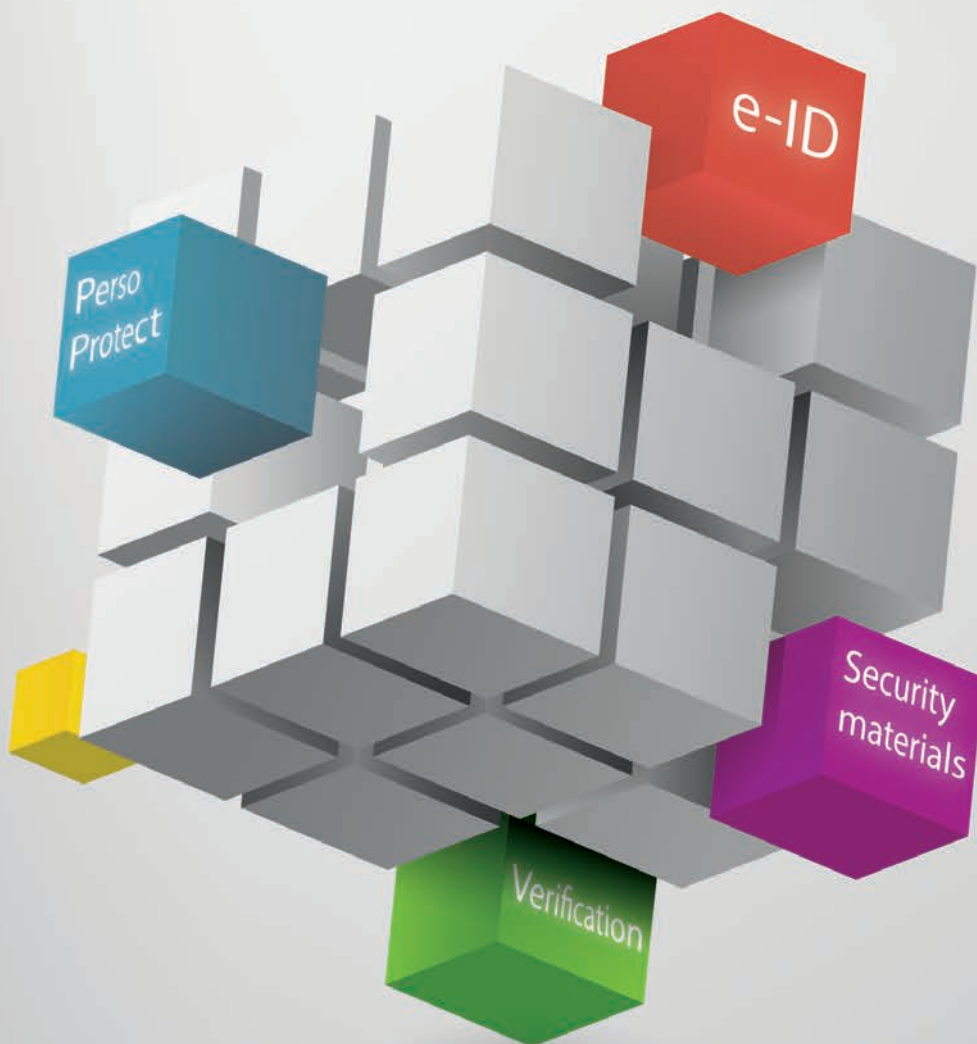


Full scope of document security solutions



identity
form
card
mobile
payment

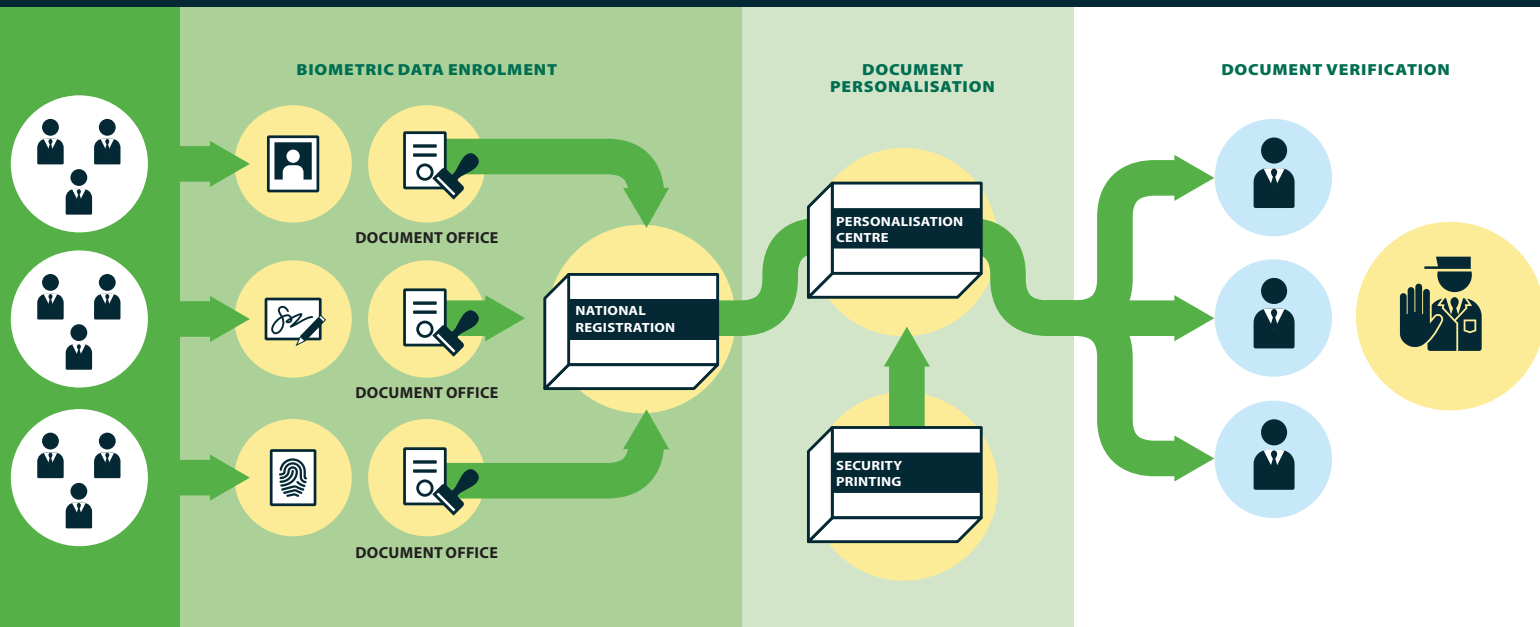
security since 1851

Full scope of document security solutions

The specialists of the Document Security Laboratory of ANY Security Printing Company PLC have developed numerous complex, effective protection solutions. Our Company – as a result of its decades of experience – can assist its customers in document and product protection projects from conceptual planning to implementation. Furthermore, it can serve partners who need only partial solutions for their particular projects. In this manner ANY Security Printing Company is a synergistic partner of paper-mills, security printing houses, state administration and private companies.

Our Company offers modular products and complex services in the process of document issuing. It supports the governmental sector with consultancy in document issuing, design and project management. It has more decades of experience in production of document security products as well as in production of card based and paper based documents, but we are ready to develop mobile IDs, too. After centralised laser engraving personalisation, document cards are enveloped and mailed to their holders. We are ready to supply complex equipment of document offices, including supply of data collection kiosks, unique development and maintenance of security document printers and supply of special accessories. We offer wide range of document control devices to our Partners.

Modular products and complex services in the process of document issuing from ANY Security Printing Company





We offer a wide range of inks of our own development with UV, IR and unique additives including mono-, bi-, tri- and quadrofluorescent inks emitting different colours and we provide anti-Stokes inks as well. To meet individual demands, we undertake the development of further inks with special features.



Our Company offers coloured and colourless, fluorescent and non-fluorescent fibres in different lengths, made of polyamide and viscose; shiny dots emitting different colours of fluorescence in order to enhance the security of paper based security documents. The product range of ANY Security Printing Company contains mono-, bifluorescent, IR fibres and monofluorescent and anti-Stokes shiny dots.



Security inks developed by the specialists of the Document Security Laboratory for ink-jet and laser printer toners and for stamping, can effectively protect the personalised data of documents.

Our security inks for printing machines and printers

Security fibres and shiny dots to be used in papers

Devices of personalisation

Desktop INKJET printers

With inks containing special security marking materials developed and produced by our Company and compatible with commercially available office printers, the authenticity of the printed texts can be verified and any forgery of the contents can be unambiguously revealed.

Desktop LASER printers

We offer a complete production line for decentralised personalisation, including laser printer filled with a special toner and a heated roller laminator unit. The system is especially suitable for paper-like documents; the prints can be easily checked with the help of UV lamps and special devices.

Security stamping inks

Our product portfolio includes several coloured and colourless security stamp pad inks with fluorescent additives. We undertake to deliver these products with short lead times upon individual orders.



Document security verification devices and systems



RadIR+ mini control tool

ANY RadIR + mini control tool is able to read barcodes and data matrices printed on the security label in infrared ink visible or invisible to the naked eye and forward these via Bluetooth connection.

ANYscan mobile application

ANYScan white label mobile application that can be customised according to the needs of the customer. The mobile application receives the read label ID which is not visible to the naked eye or the camera of the mobile phone via Bluetooth directly from the ANY RadIR + mini device

VerifIR - Verification process through IR fluorescence for high security documents.

The system combines the simple verification of second level security elements (fluorescent offset inks) with the high security of third (laboratory) level devices.

TrueFace – Offline image verification

The photo protection solution based on mathematics not only offers high security for document producers, but it also declares war on different image substitution processes.

HORUS product family

The four types of Horus equipment featuring different functions may even be fixed on a belt. Their most important features are the 10x optical magnification, UV lamps used for the control of mono-, bi- and tri-fluorescent inks and infrared laser LEDs needed for the control of the anti-Stokes effect.

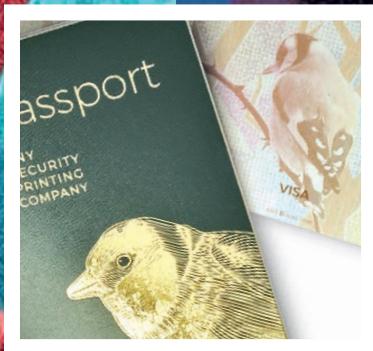
RADIR

RADIR is a battery-powered hand-held verification tool used for the detection of special marking materials. The device measures and evaluates the light response of materials induced by infrared light. It is suitable to detect marking materials combined with different carriers (e.g.: paper, textile, plastic, solid or liquid ink) as well.

Document security references

Document production and personalisation

Our Company has produced more than a hundred million cards and millions of smart cards over the past years, including the new Hungarian electronic identity card, which was launched in 2016 and the residence permit contactless smart card, which is one of the most modern Hungarian documents. Currently our Company personalises and mails 50 types of documents, providing the full range of logistical services. It has the technological and professional background necessary for visa and biometric passport production, including intaglio printing technology and cutting-edge printing and sewing machines. Our Company produces passport booklets with security features complying with the ICAO 9303 standard, but offers a number of non-compulsory security features as well. ANY Security Printing Company and its consortium partner produce and personalise the domestic card-based identity documents, vehicle registration cards and driving licences. The temporary identity cards and vehicle registration certificates that are filled in at document offices are also produced and supplied by our Company. ANY PLC supplies driving licences, registration cards and numerous types of paper-based documents worldwide



Excise and tax stamps

Together with its consortium partner, ANY Security Printing Company has been delivering its products certifying payment of the excise duty and including special security solutions to the National Tax and Customs Administration of Hungary since 1996. As a result, the number of falsifications causing damage to the budget decreased to a fraction of the original number. Since 1. May, 2012, only tax stamps with two dimensional data matrix barcodes can be issued in Hungary. These are also produced by the consortium led by the ANY Security Printing Company.

VISA

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Election forms

Over the past seventy years in Hungary, our Company has produced ballot papers with special security elements for more than 8.5 million citizens per election and has delivered them to 11,000 polling stations. During the 2014 elections, the Hungarian electoral system and its legal environment were completely renewed, which meant many new challenges compared to the past, such as providing materials needed for voting by letter, or preparing Braille notification and voting template for the visually impaired.

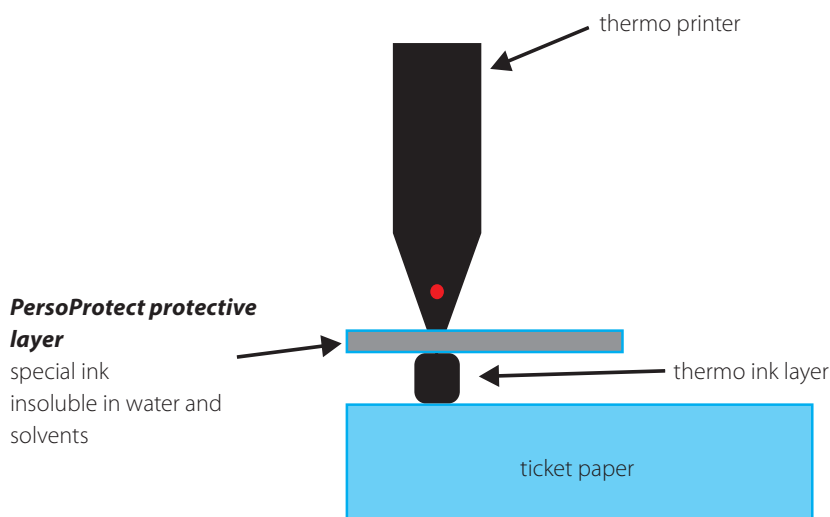
Extensive service

- preparation – suitability to local conditions and the legal environment
- development of complete IT background system
- ballot paper production – through a combination of various security features
- transport – according to the highest safety requirements
- additional products and services

PersoProtect - security thermal paper for protection of public transport tickets and passes

In recent years, our Printing Company has produced more than 600 million thermal paper based tickets with security features for the Hungarian Railways (MÁV) and the coach company Volánbusz. Our Printing Company supplies the basic material for the thermal paper tickets for the ticket machine project of the Centre for Budapest Transport (BKK) introduced in the spring of 2014. The Company produces 70 million products with PersoProtect protection a year.

With the PersoProtect solution developed by the Document Security Laboratory, we can offer effective protection for thermal paper based tickets and passes that can be easily used in vending machines. As for personalisation, the data content appears under the pearly, water and chemical resistant protective layer. Forgers can print the data content removed under the protective layer only above the protective layer.





Vouchers

ANY Security Printing Company has unparalleled references for the production of the widest range of vouchers. The Corporation is able to produce vouchers meeting all demands – whether it be holographic paper or products in perforated block form – and to complement them with additional security elements or even with an online stock tracking system to meet individual demands. Our partners include Sodexo, one of the world's leading voucher distributors.



Security labels for protection against falsification

For the sake of protecting originality and quality, so that a particular product or the information on it can be regarded as authentic, it needs to be protected with special security features. Our Printing Company has deployed its long-standing development experience in those industries where tracing products and clear identification of products directly satisfy the consumers' need for security and convenience. In many cases, these authentic labels also promote the safe operation of the service industry.

Cases of use

- validation of public utility metres
- certification of foods or substances harmful to human health
- marking of highly valuable machines and equipment

Thanks to its double protection mechanism, the security label developed by our Printing Company makes it difficult to modify and copy the content of barcode labels. The proprietary security additive, the solvent-sensitive ink and the unique hand-held control unit offer a high level of protection. Also, when applying the label, it firmly sticks onto the surfaces to be secured and cannot be removed without damaging it.

- unique serial number, unique data matrix code
- security inks (UV, IR)
- security paper – additives (SP1), special self-adhesive film
- security graphics – micro writing, guilloche
- holograms, OVI

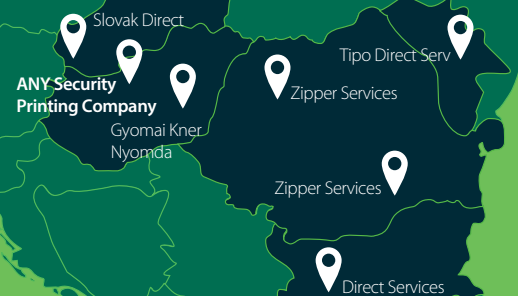
Main references

- personalisation of Hungarian passports
- production and personalisation of Hungarian personal identification cards
- production and personalisation of Hungarian, Icelandic and Albanian driving licences
- production and personalisation of EU residence permits
- production and personalisation of Hungarian excise and tax stamps
- production of vouchers for Sodexo Group
- production of lottery forms
- production of bank cards for Hungarian and international banks
- transactional mailing services for public utility companies and financial institutions
- production and personalisation of Hungarian vehicle registration cards
- production of election forms and logistics services

Domestic and international certifications

- certified bidder and securities producer of Hungary
- authorized supplier to NATO (up to NATO "Secret" level)
- Industrial Security Clearance up to NATO and EU "Secret!" level, system license for classified data management
- Industrial Security Clearance up to national "Strictly confidential!" level, system license for classified data management
- ISO 9001 quality management system certificate
- ISO 14001 environmental management system certificate
- ISO 27001 information security certificate
- ISO 14298 certificate (Central Bank level, Governmental level)
- AQAP 2110 certificate
- MasterCard Card Quality Management certificate

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