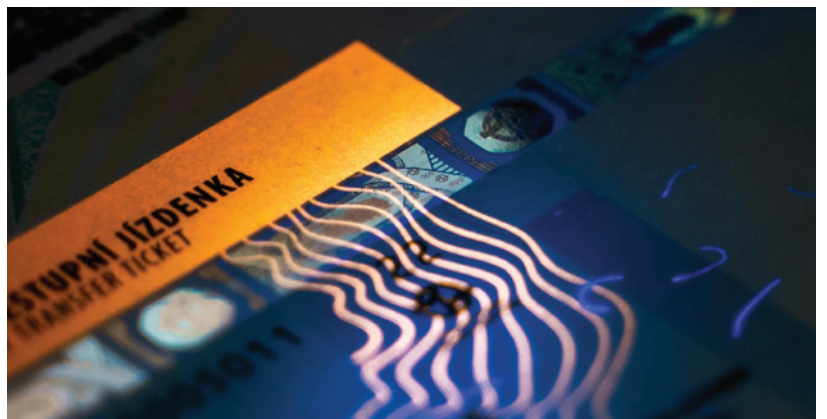
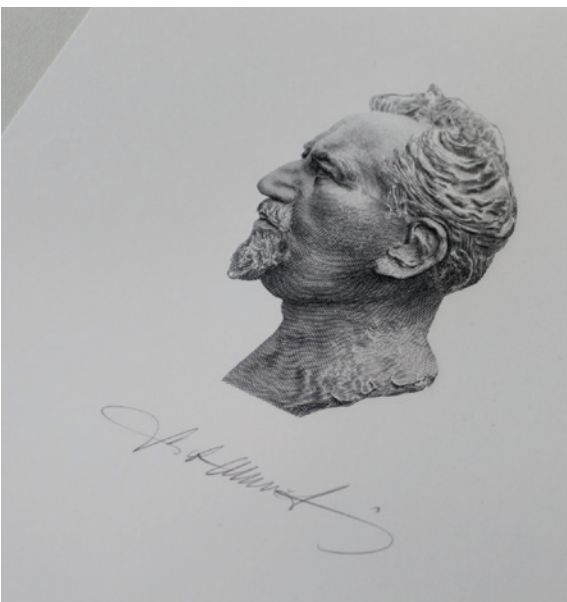


STC

Other security printed items



Other security printed items

Státní tiskárna cenin, s. p. (STC) produces most common types of security printed items, both in paper form and in the form of plastic cards in ID-1 format in accordance with the requirements of the international standard ICAO 9303 and EU standards. It offers a wide range of services in the production of other security printed items. It not only provides graphic design, print preparation, printing itself, personalisation and delivery of the product to its place of destination, but also tries to find innovative solutions to meet the individual requirements and needs of customers from both the commercial and non-commercial spheres.

PROTECTION AGAINST COUNTERFEITING

To safeguard other security items against counterfeiting, copying and falsification, STC uses a combination of material, design and printing security features. In order to achieve resilience or inimitability, special paper with protective fibres or chemically sensitive paper is used. Certified security inks are also used. Other applied security features include guilloche patterns, iridescent printing, microtext, line copperplate printing and UV fibres, UV printing and hologram application. The design of other security printed items complies with the latest standards in the area of design, utilised materials and printing so that the possibility of their counterfeiting is made as difficult as possible. In this area STC belongs among the global leaders.

SECURITY FEATURES

The level and method of protection is a key element of all security printed items. The applied security features are both public and concealed and can be placed in the design, material or print. Three levels of protection are commonly used, namely:

1. Security features visible to the naked eye;
2. Security features detectable by special technical means (UV lamp, magnifying glass);
3. Elements for forensic protection, detectable by laboratory methods and means for unambiguous determination of authenticity.

For each security printed item STC suggests using an ideal combination of security features depending on individual customer requirements, technical solution and price.

SECURITY PRINTED PRODUCTS

Tobacco tax stamps and alcohol strip stamps – alcoholic products with concentrations above 15 volume percent of ethanol must be secured under the law with alcohol strip stamps. For tobacco products, stamps are printed including the price of the product. In the production of both types of products, security features in design, special security paper with protective fibres and various security printing techniques are used.

Travel documents – the main products are tickets, time vouchers, fare holder's cards, and the reels for fare vending machines. Protection against counterfeiting, copying and falsification of printed data is a matter of cause. At present there is a gradual transition from the paper form of travel documents to the form of plastic cards.

Meal vouchers – security features visible to the naked eye and elements identifiable by special detection techniques recognisable even at high speeds of automatic processing are used in production. They can be delivered in blocks, sheets or in nominative envelopes.

Entrance tickets – special security paper, security features in graphics, numbering and more are particularly used to protect tickets against counterfeiting. The technical and colour design is such that it impedes making colour copies with other reproductive techniques. The security features in the paper include a watermark, visible fibres and fibres with fluorescence in UV light.

Gift vouchers – these are security printed items with a certain monetary value that can be used to pay for services or goods. A gift voucher may be proprietary – its issuer and acquirer are the same entity (a store issues its own gift vouchers) or open – the issuer and acquirer are different and there are usually more acquirers.

Certificates, diplomas and trademarks – for many manufacturers and customers, certificates are significant documents because they guarantee the properties and authenticity of products. The trend is the additional production of a limited series of goods, for which its uniqueness helps to increase demand. They can be provided with a unique numerical series. However, certificates have a wider use. Due to a high level of representative processing they are also used, in addition to manufacturing and financial institutions, by advertising agencies as well as by training and educational

organisations. They are produced in the same way and with similar security features as securities.

Commemorative certificate in the form of a banknote

– this type of valuable has become very popular among collectors. Commemorative certificates are issued on the occasion of a significant jubilee or anniversary of a historical or popular figure. The same techniques and procedures are used in the production process as in the production of real banknotes. The sheet contains a number of protective elements according to customer requirements. Most often it is security paper with a watermark, steel printing, letterpress, UV inks.

PERSONALISATION

STC employs high-quality optical and electronic personalisation of security printed items. Optical personalisation is mainly used for paper products and plastic cards.

A separate category is electronic personalisation, in which data is recorded to a contact or contactless chip.

EASY DISTRIBUTION

STC provides secure distribution of produced and possibly personalised security printed items to the end customer, including automated transmission of return data to central or private registers. Part of the distribution of produced security printed items is a 100% recalculation and output quality control of the dispatched security printed items.

STC also offers products other than security printed items, such as a plethora of printed matter and forms. They can be supplied as separate loose sheets (or as carbon-backed files with a detachable glued strip) or files in an endless band.

STC also offers customers the personalisation of printed matter and forms on high-speed laser printers. This technology is suitable wherever addressed text processing or modification is required. Due to a direct link between the printing machine and the computer, it is possible to print alphanumeric characters, bar codes in any line, size and position, complemented with a control number according to a secret algorithm, 2D codes and QR codes. This technique allows reprinting of data for the purposes of so-called Direct Mail Services.



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