



BANKNOTES

PRODUCTION OF BANKNOTES IN STC

The state-run security printing works STATE PRINTING WORKS OF SECURITIES, state enterprise (SPWS) has produced banknotes continuously since 1928. The production of banknotes represents a significant part of the total production range. In the implementation, the latest knowledge in the field of production of security printed items is used and great emphasis is placed on protective elements according to customer requirements, in order to achieve the highest possible protection of banknotes against counterfeiting.

AWARDS

1937

At the Paris International Exposition of Art and Technology in Modern Life in 1937, SPWS was awarded an honorary diploma for the CSK 1,000 banknote produced according to the design of Max Švabinský.

1988

In 1988, the French Notaphilist Association appreciated the CSK 20 banknote.

2008

In 2008, the CZK 1,000 banknote with new security features was declared the second best banknote of the year by the International Association of Currency Affairs.

PROFESSIONAL APPROACH TO IMPLEMENTATION

The implementation of banknotes takes place according to the designs, which mostly come from tenders. The author of the winning design then works very closely with the technical design departments of the printing works. Suppliers of printing equipment, banknote paper, ink and other materials are the world's leading manufacturers.

BANKNOTE DESIGN

The resulting banknote graphics, after consultation with the customer and the design author is converted in the printing works into security design, which uses security features made up of lines for spot-colour printing, and not of a regular (commercial) screen. The advantage of the security design is its originality and individual creation of atypical elements using manual lithography, computer graphics and line engraving. In the creation of engravings, SPWS has a long tradition and thanks to the high quality, the so-called "Czech school of engraving" has become renowned worldwide.

BANKNOTES PRINTING AND SECURITY FEATURES

Banknotes are printed using a combination of various printing techniques – offset printing, intaglio printing, hologram printing and letterpress numbering of banknotes.

Three basic categories of security features:

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.

SPWS suggests for each security printed item an ideal combination of used security features depending on the individual customer requirements, technical solution and price.

In the protection of banknotes, SPWS cooperates with a number of expert organisations, e.g.: CBCDG – Central Bank Counterfeit Deterrence Group, ICDC – International Counterfeit Deterrence Centre, the European Central Bank, BPC – EBC Banknote Printers Conference – European Banknote Conference, Intergraf, Interpol; Europol, the Czech National Bank, the Police of the Czech Republic and more.

PROVISION OF THE SAFETY AND PROTECTION OF PRODUCTION

The provision of safety of the banknotes includes not only the security features that are implemented in individual banknotes, but also the entire system of production protection, provision of protection of buildings and the internal and external protection of banknote handling and transportation. Production protection consists of deliveries of materials exclusively intended for security printers, continuous recalculation of production during each printing and handling operation, machine sorting and destruction of defective products prior to dispatch to the customer, possibility of customer supervision during destruction, delivery of destruction protocols upon request, security of production using camera systems, sensors and contactless zones, system of technical and technological barriers against the abuse of the production system, and protection of the whole building connected to the security desk of the Police of the Czech Republic.

HIGH EXPERTISE AND QUALITY

SPWS has a team of experts from all areas of security printing, from technologists, designers and security chemical laboratory service to workers in the printing operation and safety provision of the protection of production. Through its quality reached not only in the production of banknotes, SPWS ranks among the world's top class printers and its services are also available to other countries.



**STATE PRINTING WORKS
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