



# High security printing expertise

## Independent consultancy



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## -top business domains-

e-MRTD	electronic machine readable travel documents as passport, visa sticker, ID-cards, driver license a. o.
Smart products	labels, smart cards, voting cards, health cards, RFID products
Security prints	tax and postal stamps, tickets, diplomas, vouchers, security packaging a. o.
Expertise	
Prepress	security design software, printing forms
Printing	presses: intaglio, offset, flexo, gravure, screen, letterpress
Finishing	passport-lines, semi and full automatic, card production equipment, polycarbonate data page, paper and substrates converting, cutting, folding, laminating, punching, perforating
Inlays	various antenna manufacturing processes, bonding, integration in passport cover, holder pages and other RFID products



## -related business domains-

Personalization	processes of MRTDs a. o. as laser engraving, ink-jet, thermo transfer, perforation and numbering
Border control /Inspection	passport a. o. readers
Brand protection	secure packaging, track and tracing
Telematics	RTLS(real time location system)
Public security	CCTV, control room
Access control	biometrics, terminals, gates
Security paper mills	quality inspection, security threads, coating, modernisations
Consumables	paper and other substrates, inks, laminates and holograms, cover material, foils, thread a. o.

Banknote related questions? Please ask!



## -CV Heinz Artmann-

Name	Artmann, Heinz Bernhard	
Date/Place of birth	08 <sup>th</sup> July, 1943, Buldern (Germany)	
Marital status	Married, 4 children	
1962-1965	Staatl. Fachhochschule, Gelsenkirchen-Buer/Bochum	Dipl.-Ing. (mechanical engineer)
1966-1971	MAN Printing machines	Service and R+D engineer
1971-1975	Harris-Intertype Group	Sales Manager, printing and bindery equipment
1975-1991	Miller-Johannisberg Druckmaschinen GmbH	General Sales Manager – printing and special machines, security printing, inline book production
1992-2008	Artmann Consult GmbH ART-Line Handels GmbH	Founder and CEO, security printing plants in several countries, supply of equipment. -not active anymore-
2002 - 2005	ART-Line Projekt GmbH	Management buy out to employees in 2005
Since 2008	SID-Consult GmbH	General Manager, Security Consulting



## -references-

Activities in more than 25 countries, see below a few of them

Russia

Assoziation Goznak – Ministry of  
Finance of the Russian Federation

Prepress, security design,  
Printing and numbering  
Passport lines  
Introduction ePassport technology  
including inlay manufacturing

Ukraine

Polygraphkombinat Kiev

Prepress, security design,  
Printing and numbering  
Passport lines

Bulgaria

Bulgarian National Bank

Prepress, passport production

Uzbekistan

Davlat Belgisi – State Production  
Enterprise under the Central Bank

Passport production

Belarus

Izdatelstwo Belorusskij Dom Petchati

Complete security printing plant  
Prepress, printing, finishing  
Passport manufacturing



## -our services-

- Planning of production plants, analysing of existing equipment
- Working out tender specifications, evaluation processes
- Seminars, introduction to security printing and RFID technology implementation
- Monitoring project installations and acceptance tests for equipment and personalization
- Organizing training courses for operators
- Comparison studies of various manufacturing technologies
- Consultancy security features in design, print and finishing
- Fraud and counterfeiting studies
- Forensic studies