

A Good Deck of Cards.

From simple unprinted card blanks to professionally preprinted Hybrid-Smartcards:

Challenge Card Design covers the complete world of cards.

Unprinted blank cards with different technologies (for example magnetic stripes, contact chips, transponders) are part of our standard stock.

Cards preprinted according to customer requirements are usually produced within extreme short delivery times.

On top of this, we are producing special card products, for example in unusual formats and printing technologies, or from particular materials.

Our own research team takes new and sophisticated developments to the market within the shortest possible time frame.

Our services for the graphic and/or electric personalization of cards complete our portfolio.

Challenge Card Design - Your partner for cards, and more...



Our Offer

Card Blanks/Unprinted Cards:

- White standard PVC cards*
- White standard PVC cards with HiCo magnetic stripe (2750 OE / 4000 OE)*
- White standard PVC cards with LoCo magnetic stripe (300 OE)*
- White thin PVC cards (0,3 and 0,5 mm)
- White thin PVC cards (0,3 mm), with either permanent or removable adhesive foil

Contactless Smart Card:

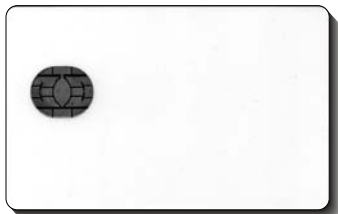
- White standard PVC cards with contactless Siemens/Philips Mifare standard 1K chip (protected memory card, 1024 Byte, 13,56 Mhz)**
- White standard PVC cards with contactless Philips Mifare 4 K chip**
- White standard PVC cards with contactless Philips Mifare Desfire chip**
- White standard PVC cards with contactless Legic MIM 256 chip (protected memory card, 256 Byte, 13,56 MHz)
- White standard PVC cards with contactless Legic MIM 1024 chip (protected memory card, 1024 Byte, 13,56 MHz)
- White standard PVC cards with contactless Legic ADVANT Chip (protected memory card, 13,56 MHz)
- White standard PVC cards with contactless Philips I-Code Chip SLI (protected memory card, 13,56 MHz)**
- White standard PVC cards with contactless Texas Instruments Tag It Chip (protected memory card, 13,56 MHz)**
- White standard PVC cards with contactless Hitag 1 Chip (protected memory card, 125 KHz)
- White standard PVC cards with contactless Hitag 2 Chip (protected memory card, 125 KHz)
- White standard PVC cards with contactless EM 4102 Chip (protected memory card, 125 KHz)
- White standard PVC cards with contactless EM 4150 Chip (protected memory card, 125 KHz)
- White standard PVC cards with contactless UHF Chip
- White standard PVC cards with Inlets provided by the customer
- White standard PVC cards with combinations of the above listed technologies - Call us!



Magnetic Stripe Card



Contactless Smart Card (LEGIC)



Contact Smart Card



Club Card

Cards with contact chip, e. g.:

- White standard PVC cards with I²C-Bus contact chip (open memory card with 256 Byte)
- White standard PVC cards with contact chip Infineon SLE4442 (protected memory card with 256 Byte)
- White standard PVC cards with contact chip Infineon SLE4428 (protected memory card with 1024 Byte)

Optical Memory Cards

Preprinted monochrome cards:

- Standard PVC cards, single or double sided printed: red, blue, green, yellow, black, silver, gold

Individual cards as per customer requirements:

- Printing Technologies: Sheet Offset, Sheet Silk Screen, Inkjet, Digital, Single Card Offset, Single Card Silk Screen
- Materials: PVC, PC, PET, ABS laminated, ABS injection molded, PC-PVC
- Special Features:
 - Special sizes and thicknesses
 - Lenticular („Tilting Images“)
 - all of the above chips
 - Iris-Printing
 - Signature Panels
 - Metal and Coin inserts
 - Condom cards
 - Holograms
 - Magnetic Stripes (LoCo/HiCo)
 - Inductive foils
 - Guilloche-Printing
 - Transparent Windows
 - Baggage tags
 - visible and invisible secure elements
- Rewritable cards with TRW (ThermoReWrite) and TC (Thermochrome) foil
- Club cards (with adhesive cover foil for paper inlets in various sizes)

Personalisation:

- electric: contactless and contact chips, magnetic stripes
- graphic: numbering via Inkjet, Laser, Thermotransfer (Graphics/Photos/Barcodes), Thermosublimation

* All standard cards comply with the ISO 7816 / CR80. Some contactless cards may differ in thickness.
 ** according to ISO 14443 ***according to ISO 15693