



PERFLEX® – the premium perforation feature for passports

PERFLEX® allows passport perforation with different character sizes using holes in different geometric shapes like squares and



- » Laser perforated characters from any visa page through all remaining pages including or without back cover
- » Consistently high laser perforation quality in comparison to off-the-shelf solutions due to MackSmaTecs sophisticated laser software

Different character sizes

- » Basically unlimited character set (alphabetic letters, digits, symbols, limited by size only)
- » Mixed height and width of characters possible in different positions

Difficult to counterfeit

» Arrangement of shapes/sizes within a character (set) either random or by a customized algorithm, thereby creating a unique, unforgeable feature





Fully automatic high-speed perforation and pre-personalization of passports and e-passports.



- » State-of-the-art booklet perforation, numbering and RFID encoding
- » PERFLEX® as unique, unforgeable perforation feature – a "DNA" for each passport without additional costs
- » High throughput: Over 3,000 passports per hour
- » Patented laser perforation method allowing creation of different hole shapes and character sizes
- » Inkjet printing, mechanical numbering and laser engraving as options
- » Patented, space-saving RFID encoding tower for simultaneous chip initialisation and/or encoding of e-passports
- » Multiple UID control
- » Inline quality control (optical and electronic)
- » Universal personalization software with Data Mastery as open platform
- Can be easily configured according to customer and project demand



Perforation



RFID Chip Encoding



Number Printing (Mechanical/Inkjet)



Optical Inspection

For more technical details please visit our Website







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