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MGI To Launch its JETcard Inkjet Card Factory in Asia

Ivry-sur-Seine (France), March 14, 2011.
MGI Digital Graphic Technology, the digital press and finishing solutions manufacturer, announced that the worldwide launch of the JETcard® inkjet card factory will take place at Cards Asia (booth 4F01), held in Singapore April 13-15, 2011.

Utilizing MGI's award-winning and revolutionary inkjet technology, the JETcard provides card manufacturers with an all-inclusive printing solution. The JETcard utilizes blank cards (with smart chip, magnetic stripe or RFID) and is ideal for turnkey production from 1 card to millions, all ready to be sold (fully printed, personalized, coated, encoded & verified).

The JETcard is ideal for card manufacturers as well as commercial printers, maximizing productivity for high volume applications while still remaining cost-effective for short runs. In the JETcard, MGI presents a digital solution that is not only less expensive than offset, even on runs in excess of 500,000 cards, but is also faster than offset, resulting in a drastic cost-per-card savings.
In 2010, the JETcard was awarded the prestigious Siemens Innovation Grand Prix in recognition of MGI's R&D achievement.

From an individual blank ISO CR-80 card, the JETcard performs the following processes in just one pass:

-- Pre-print coating to ensure a full compatibility with the substrates available on the market (PVC, ABS, etc.)

-- Inkjet printing in 4+2 UV colors, including micro text and guilloché patterns

-- Full variable data printing including text, barcodes & images

-- Spot UV coating or flood UV coating for card protection

-- Security inks revealed only under a black light

-- Signature panel printing • Read & write on the embedded magnetic stripes

-- Choice between flat or textured background

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-- Automated quality controls and ejection into a rejection bin of the defective cards

Drop-on-demand inkjet technology and an integrated RIP enable full variable data printing with all JETcard inks and coatings. For example, the security coating can be used as an anti-counterfeiting feature, revealing inks only when held under a black light.

MGI's JETcard is a true Card Factory and can replace up to 5 different pieces of equipment traditionally used in the plastic card production chain: litho press, a collator, a lamination press, a die cutter and an encoder/personalization printer.
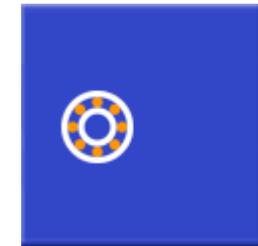
Other key features of the JETcard include:

-- A production speed up to 8,000 cards per hour (simplex)

-- One of the highest print resolutions available (up to 720 x 2160 dpi)

-- Accommodates paper & plastic cards from 350-1000 microns (ISO CR-80 format)

-- HiCo/LoCo magnetic stripe support (read/write)

-- Capability to store up to 2,500 cards within 5 different trays

-- Automated controls for ensuring data accuracy between card front and back

The JETcard is a marked evolution from traditional plastic card manufacturing due to the utilization of eco-friendly technology, saving resources, eliminating waste (inks, electricity, no plates or screens) and harmful emissions (ozone free, no solvents, no chemical waste) while reducing the overall electrical consumption compared to traditional methods. In addition, the JETcard can print on environmentally friendly paper cards, a sustainable alternative to PVC with the same standard thickness (760 µ) and made of 100% recyclable and natural materials.

MGI Digital Graphic Technology : 15/03/2011

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