



## Full Financial/EMV, GSM, Secure ID Solution

Mobile Telephony

Financial/EMV Solutions

Secure Identification

# Horizon™ Evolution

The Horizon Evolution is the expandable, modular solution designed to bridge the gap between three major markets – Financial/EMV, GSM, and Secure ID. The built-in flexibility of this one solution allows for seamless customization across markets. Now that's *Smart*.

### True Flexibility

When we say "flexibility," we mean flexibility in both our hardware and software offerings. Our Horizon Evolution flagship hardware and EMV software platforms support all three target markets – Financial/EMV, GSM, and Secure ID. From start to finish, from market to market, NBS designs customizable, cross-market solutions to take you where you need to be.

### Shifting Markets, Shifting Needs

The leading markets for the Smart Card industry include the GSM, Financial/EMV, and Secure ID markets – each with their own highly specific technological requirements. The cutting-edge Card Personalization Elements ("CPEs") offered in the Horizon Evolution system are designed to be configured to meet your market-specific needs – then *reconfigured* to shift seamlessly from one market solution to another. This fully customizable, modular system is three solutions in one.

### Cost of Ownership is the Bottom Line

The Horizon Evolution is the ideal all-in-one solution for high-speed Smart Card issuance. There is no longer a need to buy one Smart Card system exclusive to Financial/EMV, another system for Secure ID, and yet another limited to GSM. When your production demands shift, be ready to stay ahead of the competition. NBS designed the fully expandable modular Horizon Evolution system to grow with you as your needs change. Our Horizon Evolution is the cost-effective system designed to transform into multiple revenue-generating solutions.

**Let the Smart Card Industry  
Experts at NBS meet your needs  
and exceed your expectations.**

# Horizon™ Evolution

**NBS brings you the next evolution in Smart Card issuance. Unsurpassed speed, superior reliability and unparalleled flexibility allows you meet the needs of your customers now and in the future.**

The following highlights only a few enhancements incorporated into the Horizon Evolution. Your NBS representative can help you customize the Horizon Evolution solution that is right for your business.

## Horizon Evolution Input/Output CPE

- Configurable to include either one, two or three removable Quick Change vacuum assisted magazines each with a 500 card capacity means faster and easier card handling including preloading of blank cards.
- Horizon Evolution has the flexibility to be configured with up to three input and/or output hopper CPE's (9 hoppers total at each end of the machine).

## Horizon Evolution Smart Card CPE

- This CPE can be configured with up to 24 Smart Card Contact Initialization Stations or 12 Contactless Programming Stations. The Horizon Evolution can also be configured to accommodate "12 contact/12 contact less" or "12 contact/12 combi contact/contactless" stations. Flexibility plus!
- The Horizon Evolution can accommodate multiple Smart Card CPEs and is easily field-upgradeable.
- NBS owns the entire Smart Card personalization process and can provide a complete solution, including hardware, data preparation, HSM functions (hardware data encryption and cryptography) and key injection.
- As an option, the Smart Card personalization elevator can be fitted with the latest generation of Smartware couplers: *Ultrasmart*.

## SmartSys Machine Control Software

- Automation software with enhanced security, card management and maintenance functionality built on Windows®XP/2000 platform.
- Personalization platform with the flexibility to accept a wide array of customer input files. Designed with open architecture to manage chip personalization.
- The software was developed for ease of use.
- Numerous statistical monitoring and analysis functions have been included to accurately assess all aspects of the card production process.

All specifications are subject to change without notice.

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GSM configuration shown here

**Corporate Headquarters**  
703 Evans Avenue  
Toronto, Ontario  
M9C 5E9  
Canada  
tel: +1 416.621.1911  
fax: +1 416.621.8875

**North America**  
70 Eisenhower Drive  
Paramus, New Jersey  
USA 07652  
tel: +1 201.845.7373  
fax: +1 201.845.3337

**Europe, Asia, Africa, Middle East**  
7 Byfleet Technical Centre  
Canada Road  
West Byfleet, Surrey  
KT14 7NB  
United Kingdom  
tel: +44 01932.351531  
fax: +44 01932.351382

Zone Industrielle -  
Avenue Villeveille  
13106 Rousset Cedex France  
tel.: +33 (0) .42.53.27.72  
fax: +33 (0) .42.53.26.41

**China**  
4th floor, Building No. 37 No.  
333  
Qinjiang Road, Caohejing  
HI-TECH Park  
200233 Shanghai  
P.R. of China  
tel: +86 (21) 495.9531/32  
fax: +86 (21) 6495.9533

**Brazil**  
SHIS, QI 15, Conj. 05  
Casa 02/04 Lago Sul  
Brasilia, DF  
Brazil 71.635-250  
tel: +55-61-2323-9100  
fax: +55-61-2323-9100

**Website:** www.nbstech.com  
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