High-Volume Card Personalization Systems
By NBS Technologies

HPX

The HPX card personalization system is your solution for high-speed personalization of Telecom / GSM cards in a central card issuance environment.

Specifically designed for the production of GSM, contactless and dual interface cards, the HPX card personalization system brings with it one of the highest throughput speeds available on the market today (5000 uph).

The HPX is also an ideal ID Market solution with its laser engraving option.

The HPX offers these key features and benefits:

**Card Types**
- Contact EMV Chip
- Contactless RFID
- SIM cards
- Quad SIM & Dual SIM
- ID Cards

**Profitable Solution**
- Cost of ownership is low compared to main competition
- Surprisingly small foot print

**Easy-to-Use**
- All-in-one solution for card production
- Multiple configurations to meet your needs

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**Consulting** | **Software** | **Hardware** | **Smart Card Manufacturing**

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Total Card Solutions

WWW.NBSTECH.COM
**HOW IT WORKS?**

1. Cards are unloaded one by one from standard magazines and fed onto the conveyor belt. Process stations are mounted in-line, along a central longitudinal beam.

2. Cards are transferred to an electrical test station to check suitability for further processing (optional).

3. Optionally, up to 4 mag stripe stations permit magnetic stripe encoding at the entry of the equipment.

4. Each card is lifted on one of the fixed heads card stations to be personalized - these 64 stations permit contact/contactless and dual interface personalization.

5. Defective cards are replaced sequentially or at end of batch.

6. Once cards are personalized, a final electrical test checks that all cards are present at equipment outlet and in good sequence by comparison with the personalization batch program (optional).

7. Cards may be graphically personalized using ink jet or laser before or after testing.

8. Up to 3 rotation units allow printing and re-stacking of cards on both sides.

9. Electrical personalization is controlled by the Smart Gear or NBS software application.

10. HPX can be configured to process contactless or dual interface cards by adding RF stations that are also controlled by the NBS software.

Additional stations can be installed on request to extend machine functions or capacity either at time of delivery or by retrofit.