



NBS Technologies SAS

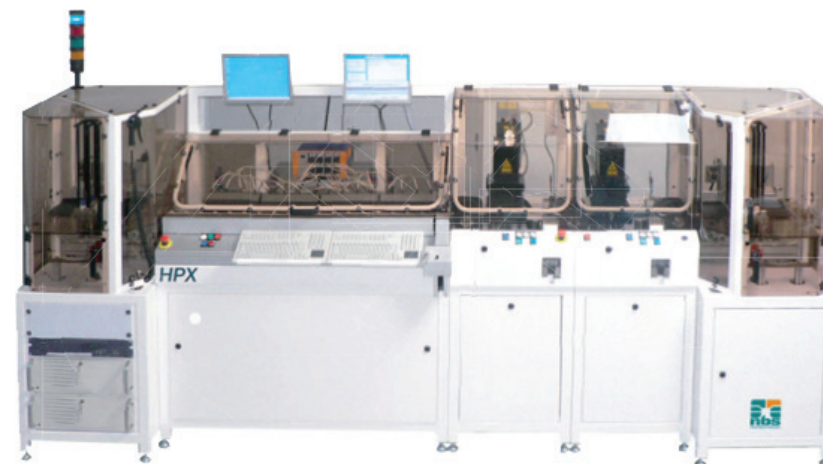
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HPX
Personalization Machine



Smart Card and Semi-Conductor solutions

Characteristics

Performance

Function of machine configuration and personalization time
The throughput is given for electrical personalization and depends on the other operations performed on the machine.

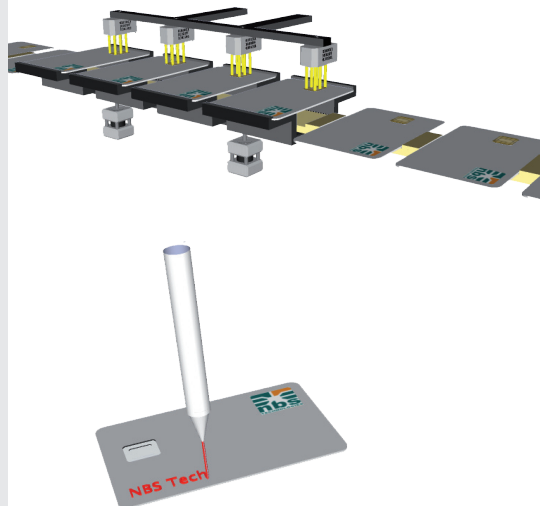
Dimensions

Width : 700 mm.
Height : 1500 mm
Length and Weight : depends upon chosen configuration

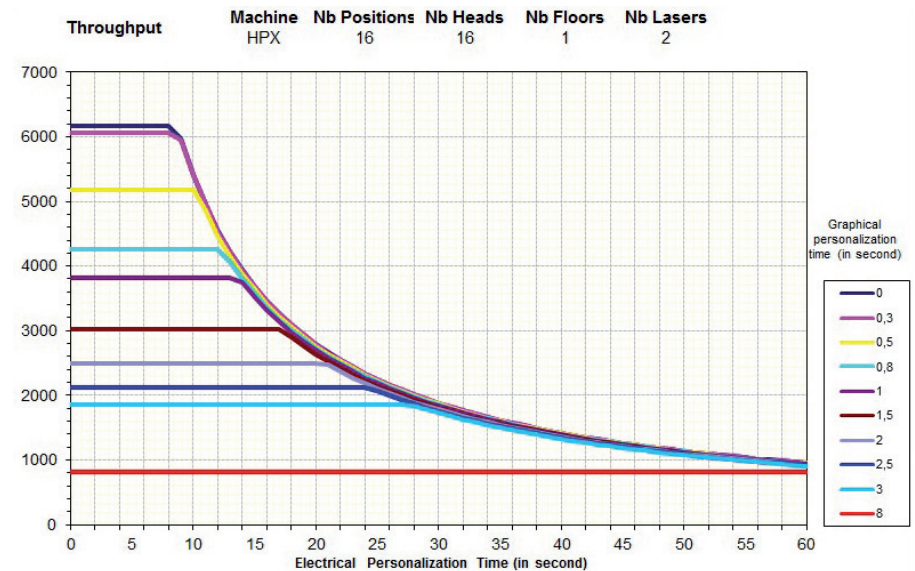
Supplies

Required electrical:
110/230 Vac (50 / 60Hz), (vacuum pump is integrated into the frame)

Specifically designed for the production of GSM, contactless and dual interface cards, the HPX brings with it **one of the highest throughput speed available on the market today** (5000 cph). Built with speed and quality in mind, the SPX / HPX is an **excellent solution for heavy production volume environments** in markets such as GSM, ID, financial, etc.



System Speed



Functional Synopsis

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 restacking of cards on both sides
9. Electrical personalization is controlled by the NBS PERSOFT 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 PERSOFT / PDM software.

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