

# HSF - high-speed friction feeder

Optimised solution for variable product identification and serialisation



## Process description:

The HSF high-performance friction feeder is the ideal solution where empty folding cartons are to be labelled with variable data outside the production line.

The modular design of the machine allows operators to combine it with the labelling technology of their choice.

The HSF separates the folding cartons from the stack. An electromechanical or ultrasound-based sensing system ensures that the packaging units are correctly separated.

The cartons are then fed by two parallel conveyor belts to the printing station

Where they are labelled as required, for instance with serialisation data in the form of 2D barcodes, data matrix codes or text. Depending on the requirements, the unit can be equipped with thermal printers, laser coding or labelling and dispensing systems.

The printed data is then read by the downstream camera and evaluated, for instance with the **b+b SiteManager** software. Cartons with codes that are deemed illegible by the camera are automatically ejected at the ejection station. The labelled folding cartons are bundled by the downstream shingling outfeed conveyor for manual removal.

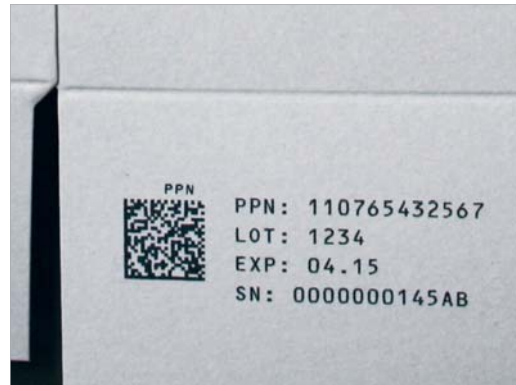
The production rate of the HSF can be continuously adjusted from 10 to 30 metres per minute.

The HSF is controlled through an intuitive IPC touch panel and is easy to operate.

Its fixed and steering castors can be adjusted in height and make the unit portable for use in various production lines.



HSF - printing and camera



HSF - printed carton

## Technical data:

<b>Dimensions:</b>	L 4.800 mm x W 900 mm x H 1.000 mm to 1.100 mm (height adjustable)
<b>Formats:</b>	Carton length 54 – 300 mm, carton width 75 – 350 mm
<b>Output:</b>	10 – 30 m/min, continuously adjustable
<b>Electrical connection:</b>	400 V, 16A
<b>Compressed air connection:</b>	6 bar, cleaned compressed air
<b>Ambient conditions:</b>	+15°C to +40°C (non-condensing)

All **b+b** systems form part of a modular system that can be customised to suit the actual process requirements:

- Linking of **b+b SiteManager** software of production line to ERP system
- Choice and integration of optimised equipment for the serialisation and labelling of products and packaging units
- On request, **b+b** manages the entire project and implementation, acting as a general contractor