Production support solutions

NPB Hot Air Unit

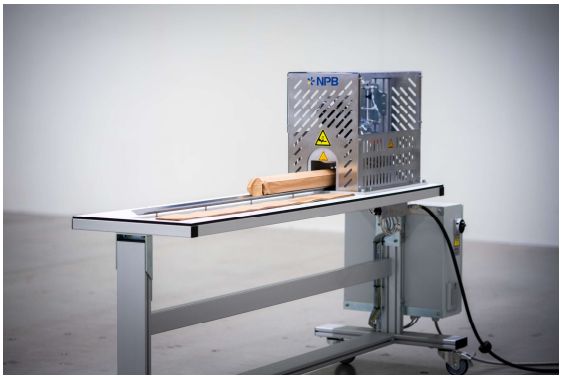
This operator-friendly workstation enables fast and reliable re-packing of opened paper bags with metal ends directly on the production floor. Positioned close to each line, it supports efficient quality control while minimizing waste, reducing handling time, and maintaining production flow.



Reduce waste and improve efficiency in daily quality checks

In end production, paper bags are frequently removed from the line for quality inspections, often multiple times per shift. Once a bag has been opened, it must be properly re-packed to be returned to the production volume without losses or additional handling. The NPB Hot Air Unit is specifically developed to support this everyday task.

Placed close to each production line, the station allows operators to quickly re-seal inspected bags and feed them back into the flow. This results in less scrap, fewer disruptions, and a standardized, repeatable process that strengthens both quality assurance and overall production efficiency.



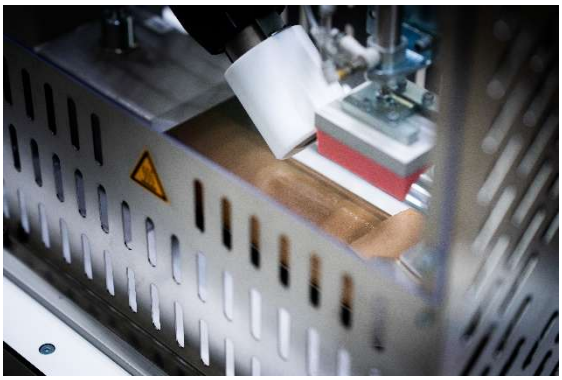
The workstation is adaptable to different can end diameters and bag formats, making it suitable for a wide range of production setups.

Functional design and proven technology

The NPB Hot Air Unit secures the folded paper bag by activating the pre-applied hotmelt glue with controlled hot air, followed by a defined pressure sequence to ensure consistent and reliable sealing. The solution consists of a mobile table, a hot air unit with fold clamp, and a dedicated control unit, all designed for safe and efficient use in close proximity to the line.

Key advantages on the production floor:

- **Reduced scrap** - inspected ends can be re-packed and returned to production instead of being scrapped.
- **Consistent sealing quality** - controlled heating and pneumatic pressure ensure repeatable results.
- **Higher efficiency** - a dedicated station near the line minimizes handling time and interruptions.
- **Safe and reliable operation** – an operator-friendly layout supports a safe working environment, good ergonomics, controlled handling, and reliable operation in daily production.



The Hot Air Unit is temperature-limited to 350 °C, and the pneumatic fold clamp can be adjusted to an optimal pressing force, ensuring both safety and process stability.

Technical specification

Technical data	
Height	1430 mm (4,7 ft)
Length	2250 mm (7,4 ft)
Width	700 mm (2,3 ft)
Power	1x230 VAC / 10 A, 50 Hz
	1x120 VAC / 20 A, 60 Hz
Air pressure	6 bar / 0.6 MPa (87psi)
Control system, PLC	Allen & Bradley

NPB designs, develops and manufactures automation equipment for the packaging industry. We have top-rate expertise in mechanics and design as well as thorough knowledge in the development and manufacturing of automation equipment. The organization is customer-oriented and flexible with the aim to deliver intelligent machines that are simple to handle.

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