

Onset Panthera X HS
with autoloader
Material handling
equipment

Onset Panthera Autoloader

> Boost productivity and efficiency

The Onset Panthera Autoloader is an advanced automation system that ensures the Onset Panthera printer operates at the top of its potential, fully leveraging its high-speed capabilities.

By automating the substrate feeding and handling processes, the Autoloader – which effortlessly keeps up with the printer's top speed – significantly reduces labor costs and increases operational efficiency. Combined with robotic unloading, it's the ideal solution for high-volume print operations in the sign & display and packaging markets.

Key benefits

- > **Peak productivity:** Provides full automation when combined with a single unload robot, allowing for 24/7 operation and high-volume output, maximizing your operational efficiency
- > **Reduced labor costs:** Automation of substrate feeding and handling minimizes manual labor
- > **Enhanced precision:** Accurate substrate alignment and print registration ensure consistent prints
- > **Versatility:** Capable of handling a wide range of sheets and rigid media, supporting various applications within the sign & display and packaging markets
- > **Flexibility:** Supports printing of 1, 2, 3, or 4 sheets (left or right-hand justified), as well as manual operation for short-run jobs if needed

Fantastic figures

24/7 operations	Up to 1450 m ² / 15000 ft ² or 281 beds per hour	1, 2, 3 or 4-up printing	Sheets & rigid media from 0.1 to 18 mm thick	Up to 1124 B1 sheets per hour (in 2-pass mode)
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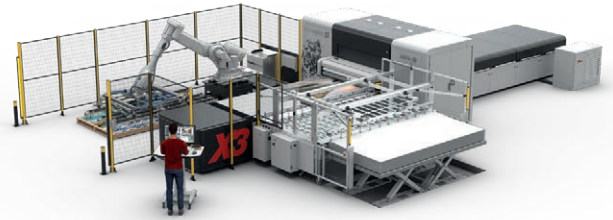
Roar through workloads

Since its launch, the Onset Panthera has been pushing the boundaries of what is possible in print. This extremely high-speed page-wide flatbed inkjet printer, running on Agfa's Asanti workflow software, is lowering the cost of print manufacturing and enhancing quality with high-quality print modes and Agfa's Thin Ink technology. The Onset Panthera is capable of 24/7 printing on a wide variety of substrates at production speeds of up to 1450 m²/h or 281 beds (15,000 ft²/h).

In addition to the configuration with the Autoloader and an unload robot, the Onset Panthera can also be fully automated by adding both a loading and an unloading robot. The dual robot setup can also be combined with a laytable.

How it works

- > **Substrate collection:** The substrate is loaded onto the scissor lift
- > **Feeding and alignment:** The autoloader collects and aligns the substrate accurately for optimal printing results
- > **Robotic transfer:** The robot picks up the substrate and moves it onto the vacuum table
- > **Printing:** The Onset Panthera performs high-speed, high-quality printing
- > **Robotic transfer:** The robot transfers the substrate from the vacuum table for stacking, inspection, or further processing. At the same time it picks up the next board or sheet for printing.
- > **Post-print handling:** The printed substrate can now be inspected, stored, transported, or conveyed for further processing



Specifications

Sheet size (W x L)	Min: 600 mm x 800 mm (23.6" x 31.5") – Max: 3200 x 1600 mm (126" x 63")
Sheet thickness	Min: 0.1 mm (0.004") - Max: 18 mm (0.7")
Max material weight	10 kg (22 lb) 2 kg/m ² (0.41 lb/ft ²)
Simultaneous printing	1-up, 2-up, 3-up, 4-up
Load stack height (including pallet)	710 mm - 840 mm (27.95" - 33.07") (assuming a recessed scissor lift)
Unload stack height	Min: 900 mm (35.43") – max: 1400 mm (55.12")
Print registration	+/- 0.5 mm (0.02") sheet to sheet +/- 1 mm (0.04") front to back
Materials	Primary materials: semi-rigid PVC, self-adhesive vinyl, corrugated (EB, B, E, EE and C), paper, blueback, Dibond, foam PVC, styrene, display board, correx, polyprop (fluted and sheet)
Productivity	Full bed, 2-pass: 281 beds/h Full bed, 4-pass: 200 beds/h Full bed, 4-pass 3-up (60/40: 1524 x 1016 mm): 200 beds/h (600 sheets/h)
Power	3 PH, 400-480 Vac, 50/60 Hz, 3 KW
Compressed air	8 bar, 1200 l/min
Maximum dimensions (W x L x H)	3760 mm x 3870 mm x 1730 mm (148.03" x 152.36" x 68.11")