



see. control. automate.

**NELA** Plate Automation

# NELA Sorter & Stacker

Automation of the plate logistics in commercial print shops

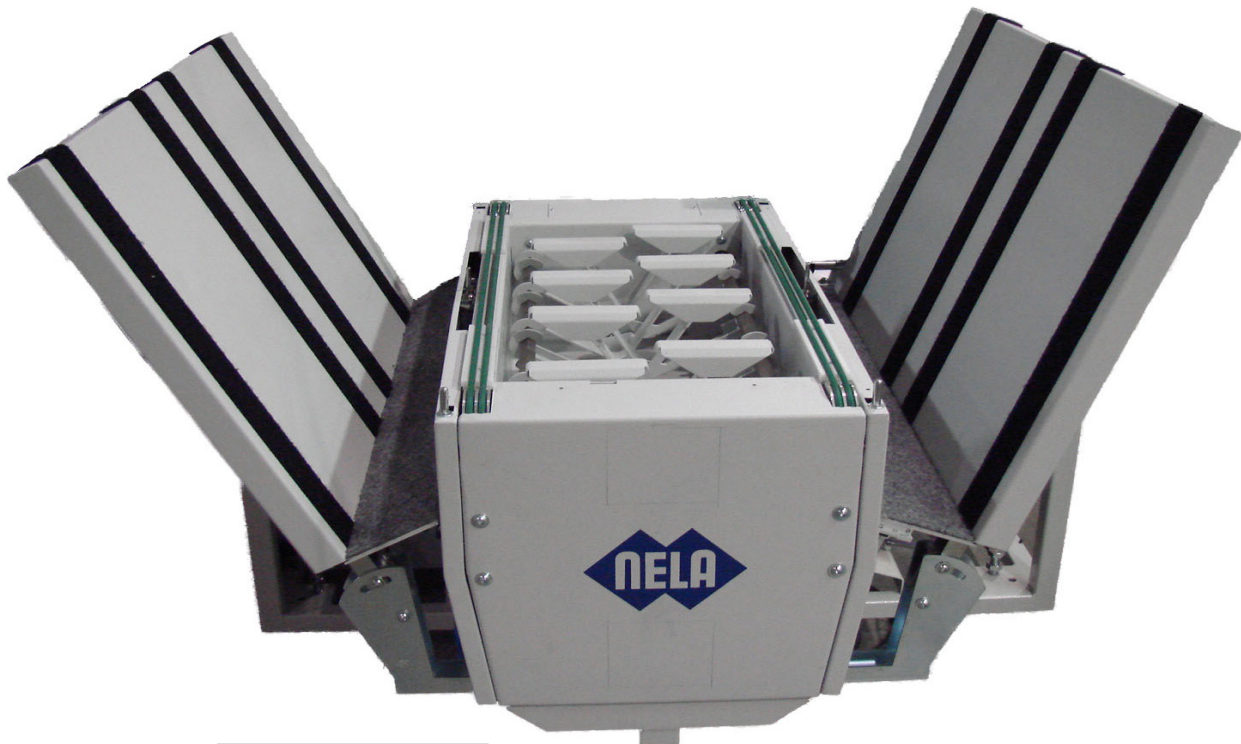
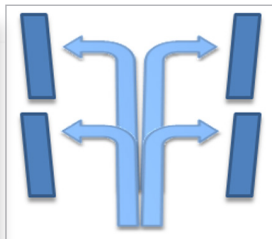


Plate identification via barcode. The barcode contents is individually interpreted and used for sortation.



Sorting of plates according to pre-definable criteria. Static or dynamic sorting, depending on production requirements.



Printing of barcode contents directly on the plate with inkjet-printer is optional.



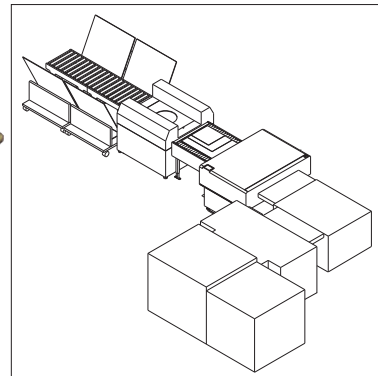
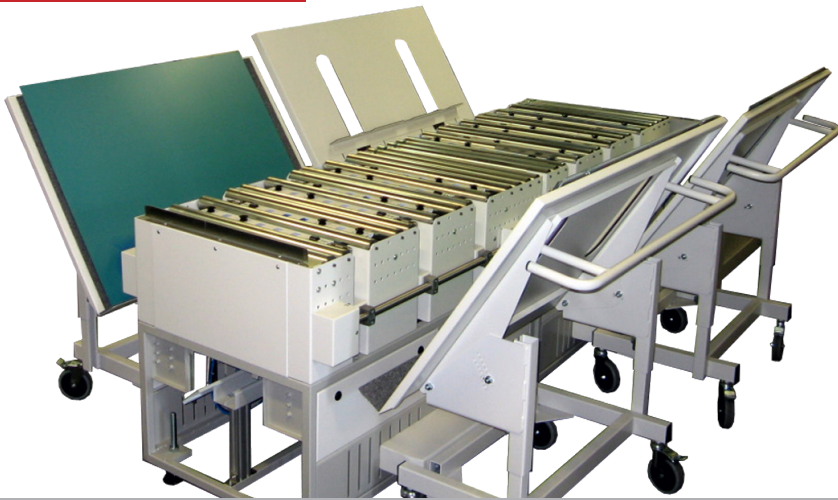
Routing papers may be printed automatically for each print job.



Print-ready plates are loaded into carts, which allow for safe transport directly to the press – without damaging the plates.

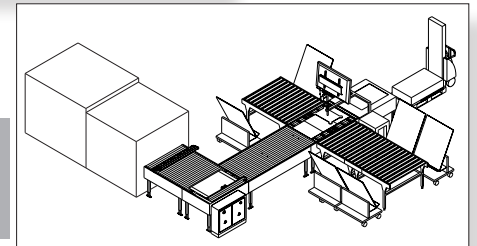


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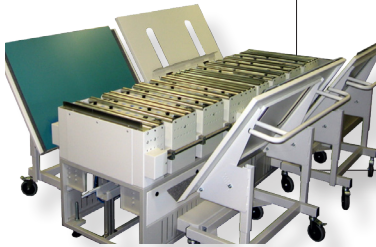
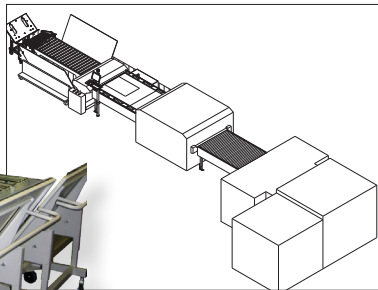


CtP-line with a 4-bin left and right stacker. Each bin is reserved for a different plate format. The plate carts can be easily disconnected and rolled to the press. The stacker bins are electronically monitored to avoid that plates are placed in a bin with no cart.

**NELA Solutions for plate sorting** create efficient processes that are geared to support production on press.



Left and right stacker with an additional bin straight in-line for a smaller plate format.



Fully automatic sorting according to print job into 6 stacker bins. A slip sheet is inserted after each plate. Additional routing papers are printed for each job. The contents of the plate cart is shown on a 50" monitor.

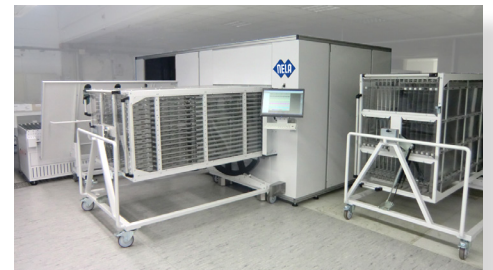
From plate exposure until mounting on the press, manual handling by operating staff is no longer required. Scratched and bent plates are history.

### Function

All plates are identified with a barcode reader before they enter the NELA sorting station. They are stacked according to pre-defined criteria, which are always customer-specific and may be – depending on system specifications – re-configured at any time. Sorting profiles can be saved by the operator when certain sorting patterns are used often.

Plates that belong together are stacked side by side. The sorting pattern is visualized on large monitors mounted above the stacker system.

Faster printing presses, shorter print runs, or a combination of presses with different plate formats – given these challenges it is essential for an efficient production process that the printing plates required for the next job are provided as efficiently and as carefully as possible. Automatic sorting of imaged plates guarantees that the correct plates are put together for each print job; shorter makeready times and reduced plate handling by press operators help generating important competitive advantages. A big additional advantage for very large plate formats is the careful handling of the plates.



LogiStack plate storage with pivoting plate cart for transport of plates to the press. The plates are inserted horizontally into the cart (left), then the plate magazine is pivoted and the plates are brought hanging to the press (right).



### NELA - Who we are:

The NELA group, consisting of NELA USA, NELA Brüder Neumeister GmbH and NELA Asia, form one of the largest manufacturers of high-quality optical control devices for industrial applications, process control and automation. NELA register systems include newspaper and commercial solutions for plate handling, punching/bending of plates and transport systems. With more than 2000 installations around the world, NELA is the technology leader in their field; with presence in all 5 continents.



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