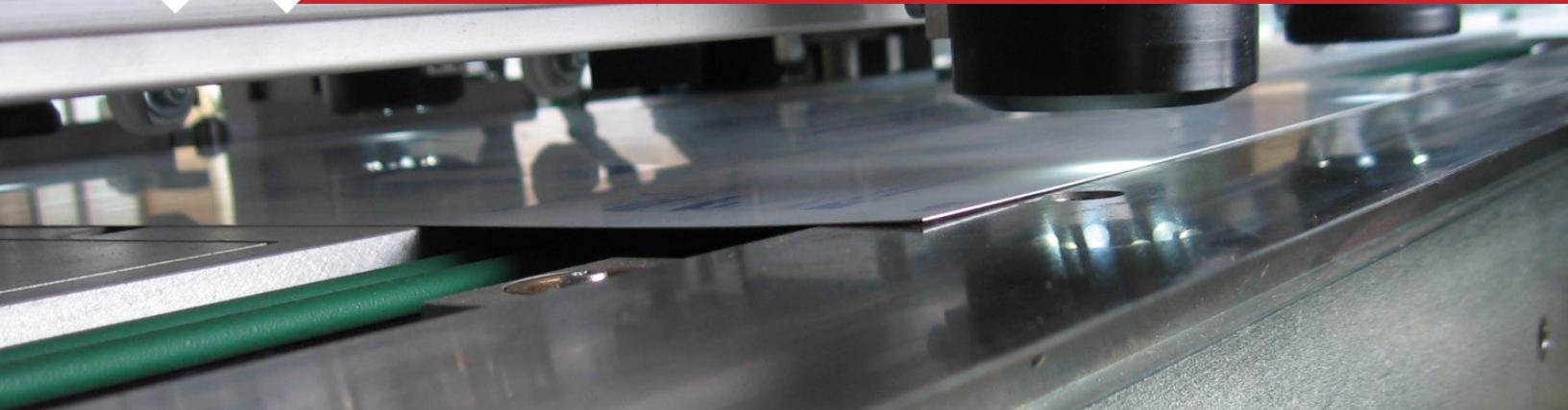




see. control. automate.



NELA Punch & Bending Devices

## NELA VCP

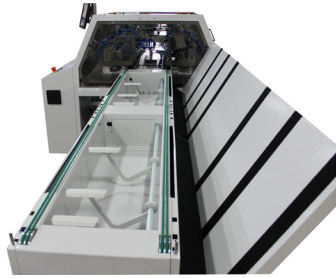
Fully Automatic Register Punching and Bending Device  
with Vision Control Positioning for Offset Printing Plates

- For single and double wide offset printing plates
- Automatic infeed of printing plates integrated in-line configurations for up to 225 plates/hour
- Optical alignment with Vision Control Positioning
- Bending configuration according to customer's specification





# NELA Punch & Bending Devices



## TECHNICAL DATA NELA VCP

- Compressed air: 3/4" npt, 100-120 psi
- Electrical supply: 208/240V  
Three phase

NELA VCP is a fully automatic inline or standalone Vision Register Punch Bender geared to the mid to large size Newspaper and Commercial Web offset printers.

### Product Profile

The NELA VCP provides high speed plate production through its compact, inline design and integrated Vision alignment system. Printing plates are precisely registered utilizing 2 high resolution CCD cameras and 2 register marks located on the plates. The versatile VCP can be connected to any type of CTP or conventional plate exposure system commercially available. Either lines or circles can be used as targets.

### Reliability

All parts in the NELA VCP are designed by our experienced NELA Engineers in the USA. NELA quality is guaranteed for the manufacturing of the NELA VCP ensuring trouble free operation for years to come.

### Technical Features

- For single and double width offset plates
- Automatic plate in-feed configured for landscape or portrait plate formats
- Vision controlled register punching and bending in one bending cycle
- PLC controlled
- Punch tools for press notches included
- Three-point register included for pre-alignment and back-up
- Stop locations matching imaging device
- Cleaning and oiling of the punching tools before each punching process ensures the long life of the equipment and continuous burr-free accurate register punching
- Register-true positioning of offset plates by: a) video cameras / exposed register marks / tolerance: 20 micron b) register pins c) limit switches / electronic control
- Open integration platform for easy integration of new applications
- Integrated NELA "SDS" diagnostics system
- NELA Service Wizard
- Siemens PLC

### Optional Features

- Multiple Web Widths
- Barcode Reader
- PQM: Plate Quality Management
- Page Tracking
- Plate Navigation & Sortation
- Multi-Stacker
- Customer-specific conveyors & stackers

### Our Service - Your Advantage

- Installation by our NELA USA Service Technicians
- 24/7/365 Service Availability
- Everything from NELA – from register bars to fully automatic plate processing lines and on-press register control.
- Installation drawings and layouts (CAD) according to your requirements
- Spare Parts available in 24 hours or less with full inventory in River Falls, WI



### NELA - Who we are:

The NELA group, consisting of NELA Brüder Neumeister GmbH, NELA USA 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 inline punch-bending machines, both for newspaper and commercial printing and plate automation 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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