

# NELA Product Sheet

## Benders

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### *NELA HAO (punching only or punch/bending)*



The NELA HAO is an economic all-in-one solution for customers who are seeking higher plate throughput. Punching & bending can be combined in the same machine. The (punch)/bender features electro-mechanic three-point register that is designed to match the customer's CTP device. It's rugged design allows to bend all plate sizes and bend configurations.

- Manual plate infeed
- Electro-mechanic three-point register
- Stop locations matching CTP device
- Automatic bending after three-point contact is made
- Optional pin-register available

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### *NELA Benchmark (as stand-alone option or in-line)*



The NELA Benchmark is designed for bending or punch/bending for the lower volume print houses with single width presses that are converting to CtP. The Benchmark is a free standing bender which is automated with infeed conveyor and stacker. It can be used off-line and handfed or moved up behind the processor for inline operation.

- Automatic plate infeed
- Automatic bending with hand levers
- Electronic three-point edge register
- Automatic vacuum and clamp actuation
- Compatible with edge register CTP systems
- Optional pin-register available

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### *NELA VCP (as stand-alone option or in-line)*



The NELA VCP provides fast plate throughput through in-line capability and perfect four-color registration through its integrated Vision alignment system. Printing plates are registered according to the image, using CCD cameras and 2 register marks that have to be exposed on the plates. The VCP can be connected to any type of CTP or conventional plate exposure system available in the market. – Pricing for customer-specific plate conveyors and stackers upon request.

- Automatic plate infeed
  - Vision registration, requires imaged register marks on plate
  - Ideal in conjunction with CTP workflow
  - Punch tools for required press notches included
  - Three-point register included for pre-alignment and back-up
  - Stop locations matching CTP device
  - Optional pin-register available
  - Customer-specific conveyor system and plate stackers are not included – please consult factory
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# NELA Product Sheet

## Multivariable Benders

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### *NELA RAO-M*



The NELA RAO-M can handle multiple bend configurations and plate sizes, allowing customers to handle plates for various presses on just one punch/bender. Plate handling is automatic, plates are pulled in and pushed back to the operator automatically. Register is achieved with electro-mechanical three-point register matching the customer's CTP device.

- Automatic plate infeed, plates are pulled in and pushed back to the operator
- Electro-mechanical three-point register
- Stop locations matching CTP device
- Capable of bending multiple bend configurations and plate sizes
- Optional combination of pin register & electro-mechanical three-point register

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### *NELA VCP-M*



The NELA VCP-M features Vision alignment for precise four-color register. It can handle multiple bend configurations and plate sizes, allowing customers to handle plates for various presses on just one punch/bender.

- Automatic plate infeed
  - Vision register, requires imaged register marks on plate
  - Ideal in conjunction with CTP workflow
  - Button to actuate punching and bending cycle
  - Punch tools for required press notches
  - Three-point register included for pre-alignment and back-up
  - Stop locations matching CTP device
  - Optional pin-register available
  - Upgradeable to in-line operation
  - Capable of bending multiple bend configurations & plate sizes
  - Optional combination of pin register & electro-mechanical three-point register
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# NELA Product Sheet

## Punches

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### ***NELA Electronic-Manual Punch***



The NELA Infinity™ Electronic-Manual Plate Punch is designed for printing environments that require a durable and versatile plate punch that produces stripping holes and/or press notches. The NELA Three-Point Electronic Registration System used in the Infinity Electronic-Manual sets this punch apart from the others in its class. Registration is maintained regardless of plate squareness or shape --- reliable accuracy to help minimize make-ready.

- Three-point edge registration with indicator lights
- Compatible with edge register CTP systems
- Punching actuation via hand lever
- Includes hardened-steel punch pins for stripping holes and press register notches
- Optional 30° floor stand

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### ***NELA Electronic-Pneumatic Punch***



The NELA Infinity™ Electronic-Pneumatic Plate Punch is designed for high-volume printing environments that require exact registration and fast throughput. Available with pneumatic punch heads or with a pneumatically-operated gear drive system, the Infinity™ Punch provides the ultimate in register punch technology.

- Three-point electronic edge registration
  - Compatible with edge register CTP systems
  - Fully automatic pneumatic actuation
  - Programmable punch configurations
  - Keypad material selection
  - Includes hardened-steel punch pins for stripping holes and press register notches
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# NELA Product Sheet

## Punch Accessories

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### *NELA 4CB*



Film and plate come together in the vacuum frame, a place that can be a major source of registration problems. With a NELA 4CB, registration is transferred straight and square to the plate. The unique design minimizes the flex seen when using traditional stripping pins in the frame --- helps maintain register before costly on press adjustments are required.

- Laminated contacting matt with compressible pins
- Pins configured to match punch stripping hole pattern
- Aluminum backing for durability

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### *NELA Pin Bars*



The NELA Pin Bars are a 1" wide stainless steel base with buttons welded to them. Used either in the vacuum frame or on the light table.

- Included with EM or EP plate punch
  - 1" Stainless steel base with precision ground pins
  - Available in .085" or .120" Pin Heights
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# NELA Product Sheet

## Additional NELA Equipment

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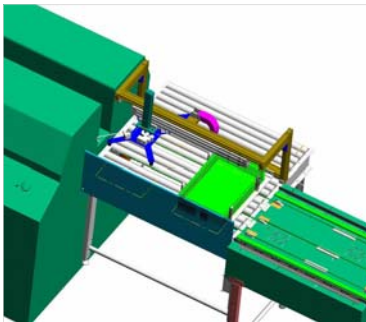
### *NELA Dummy Plate Feeder*



The NELA Blank Plate Feeder offers the possibility to load, to punch and bend blank plates (dummy plates).

- Computerized loading of non -imaged dummy plates onto the conveyor
- Slip sheet removal available
- Allows bender to punch and bend press dummy plates when blank plates are a required for pre press specification
- Units available either fixed to a single position or with rollers for easy movement of Dummy Plate Feeder
- With separate PLC available

### *NELA Plate Buffer*



In times of high plate production volume the NELA Plate Buffer is a device which picks up the surplus of plates coming out of your CtP device and going into the bender. The Plate Buffer is programmed to pick-up the plates from the conveyor belt onto a stacking station directly above the conveyor. Once production slows down, the plate buffer picks up the plate off the stacking station and places them back onto the conveyor for subsequently punching and bending.

- Computerized loading of non-imaged dummy plates and picking up of production plates in case of a speed / overflow situation
- Small footprint / mounted on roller conveyor
- Also available as separate, movable unit with rollers for easy docking and undocking

### *NELA Slip Sheet Remover*



The NELA Slipsheet Remover is a device which will save you labor, money and eliminates scratched plates. Unique in its design, it has a small footprint and is able to be operated from one side, so it can be placed on a wall—convenient for smaller pre-press rooms with space limitations. Operation is easy: place stack of plates on included trolley cart (or built-in drawer), roll into the device and start up machine. The sheets between the plates will be removed without any further operator assistance needed. Once all slipsheets are removed, simply pull out trolley (or drawer) with stacked plates and roll to your CTP-device for loading.

- Short learning curve and user friendly operator interface
  - Yellow UV cover protects plates from daylight but still allows clear view of inside operation
  - Small footprint
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# NELA Product Sheet

## Additional NELA Equipment

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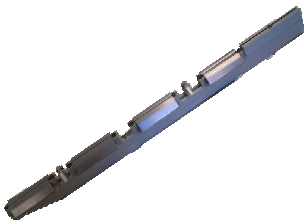
### *NELA PLT Loader*



The NELA PL-T is a fully automatic printing plate loader for CREO Trendsetter. Unpunched printing plate with slip-sheets are placed in the plate trolley. After positioning the plate trolley into the loader, pressing the start button locks the plate trolley in place and switches the loader to automatic cycle operation mode. A request for plates from the Trendsetter initiates the loading cycle.

- For single and double wide offset printing plates
- Automatic slip-sheet removal
- Plate trolley with slip-sheet disposal basket
- SPS control unit
- Diagnostic system
- Connectable to existing CREO Trendsetter

### *NELA Lock-up (for HO, Metro, Mitsubishi, TKS)*



In the time of anticipated web reduction and breaking the magical number of 50", NELA now offers the new NELA Lock-up for web reduction from 50" to 48" to 46" (custom specification for 55" available). Our stainless steel lock-up offers you a convenient and hassle free step in your web reduction project. With the move of the pin, you switch from 48" to 46".

- For cylinder gaps of 0.530" - 0.875"
- For web width of 50" - 46"
- Bender modifications available for plate size changes, pin modifications and quad-punching.
- Bend angle and cut-off modifications available as well

### *NELA Slot Lock (for Community, Urbanite, DGM, Tensor)*



The NELA Slot Lock-up is the perfect investment for printers who want to get better register, faster make-ready time, less waste, and be more competitive in the market. The NELA lock-up design is made of long-lasting stainless steel, is easy to install and maintain.

The Lock-up is designed for the following presses:

- Goss Community & Urbanite
- DGM
- Tensor
- Dauphin

The lock comes with a 1/4 " center pin for lateral register and guarantees easy plate mounting and removal on press.