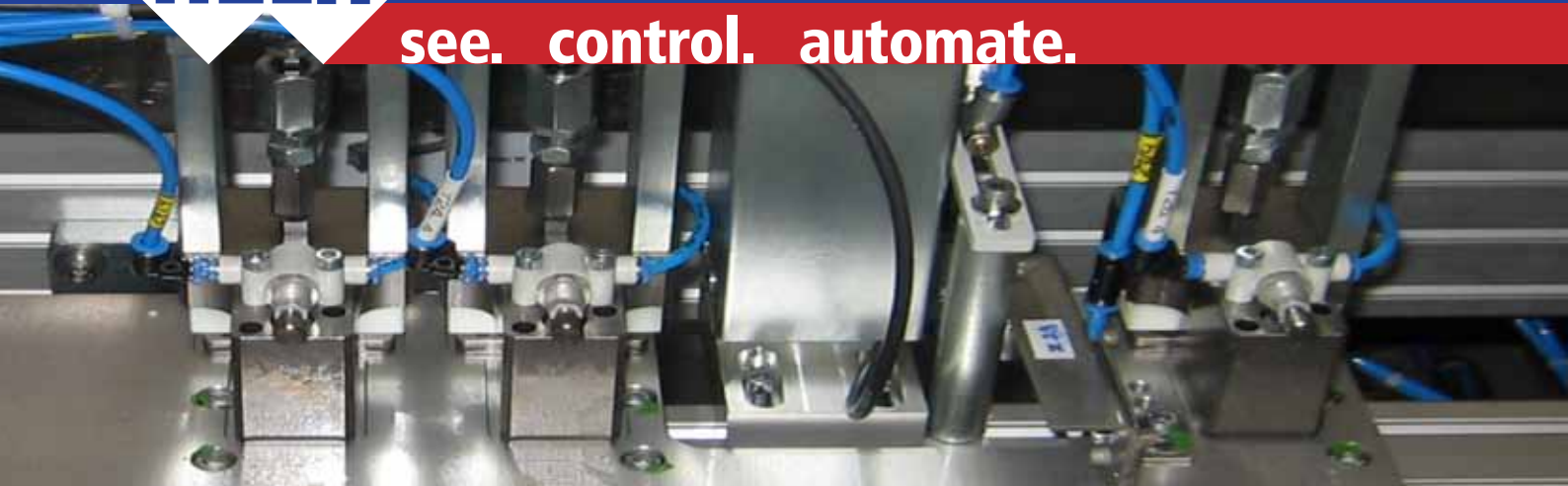


see. control. automate.



NELA Punch- and Bending Devices

NELAEcoBender V

The benchmark for small and mid size installations

fully-automatic register punching and bending device with Video Control Positioning

- For Single and Double wide Offset Printing Plates
- Automatic infeed of Printing Plates
- Optical Alignment with Video Control Positioning
- Bending configuration according to customer's specification





NELA Punch- and Bending Devices



TECHNICAL DATA NELA EcoBender V

- Compressed Air: 7-10 bar
- Electrical supply: 208 – 240 V, 50 – 60 Hz, 1kW
- Dimensions:
 - length: approx. 1555 mm
 - width: approx. 1260 mm
 - height: approx. 900 mm (+/- 100 mm)
- Weight: approx. 850 kg net
(depending on the technical design)

NELA EcoBender V is a fully inline capable Vision Punch bender geared to the small to mid size Newspaper and Web Offset printing house.

Product Profile

The **NELA EcoBender V** combines reliable technology designed and manufactured in Germany with easy serviceability due to the use of standard parts from renowned suppliers. With its basic floor layout configurations it offers all benefits of modern automated plate line at an affordable price and NELA technology which you can trust.

Operation

In the **NELA EcoBender V** Video cameras detect the exposed register marks on the printing plates coming out of the processor. Once in their correct position, the printing plates are punched and bent in one working cycle and are safely loaded into a stacking station.

Reliability

All parts in the **NELA EcoBender V** are developed and designed according to the latest

state of technology and manufactured with highest precision. NELA quality is guaranteed for the manufacturing of the **NELA EcoBender V**, ensuring a trouble free operation for years to come.

Technical Features

- Video controlled register punching and bending in one working step
- Plate output: approx. 200 offset plates per hour
- Customer specific transport units from plate processor to **NELA EcoBender V**
- Input height corresponding to the preceding plate processor
- **NELANet** software, Operator interface - easy to learn, easy to use!
- Electronic control of work flow
- Ergonomic and multilingual operator screen
- Register punching configuration according to customer's specifications
- Supporting table with vacuum and air cushion

- Integration of technological high quality electronically and mechanical components
- Use of particular high-quality material for the manufacturing of punching and bending tools
- Ultra fine lubrication of punching dies longer life cycles and burr-free register holes

Our Service - Your Advantage

- Responsive, expert consulting
- Everything from NELA – from register bars to fully automatic plate processing lines
- Installation drawings and layouts (CAD) according to your requirements
- Modern and reliable pneumatic and electronic components - the worlds leading manufacturers with service centres world-wide are our partners.



NELA - Who we are:

The NELA Group with NELA Brüder Neumeister in Germany, NELA USA and NELA Asia forms one of the largest manufacturers of high-quality optical control devices for industrial applications, process control and automation. It serves several markets like the Graphic Arts Industry as well as the Automotive and Medical Industries. NELA's offset print business includes optical in line punch bending machines, both for newspaper and commercial printers, as well as plate automation and transportation systems. With more than 3000 installations around the world, NELA is a market and technology leader. NELA's parts inspection business includes automated optical 100% inspection of rubber seals, plastics, metal, ceramics and sintered mass parts. In this highly diversified market, NELA is among the technology leaders. In our plants in Lahr, Germany, and River Falls, USA, 200 employees manufacture state-of-the-art precision equipment in modern and spacious production facilities



www.nela.de
e-mail: sales@nela.de

BRÜDER NEUMEISTER GMBH
Gottlieb-Daimler-Straße 15
D-77933 Lahr
Phone +49 (0) 78 21 - 58 08-0
Fax +49 (0) 78 21 - 58 08-62

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