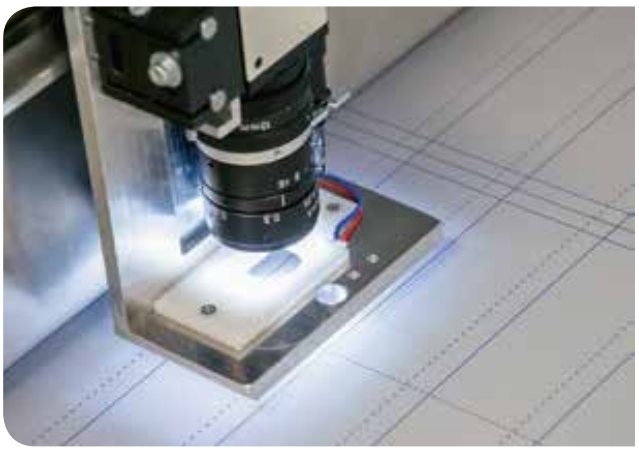
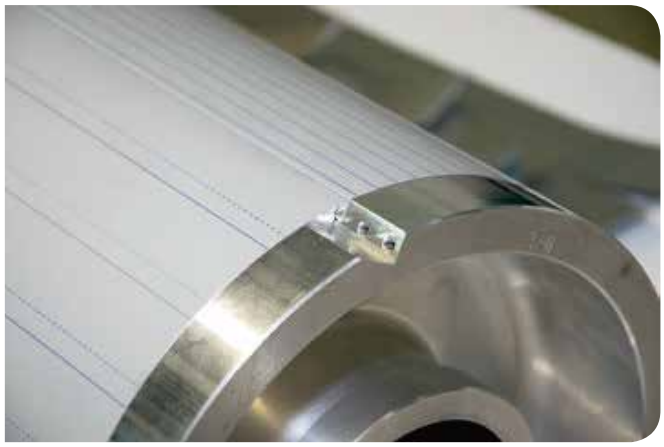
DG press

Automatic Printing Plate Bender

- *Accurate determination of print image with micro meter precision*
- *Fully automatic position determination and position correction*
- *Reduce waste and make-ready time for offset printing presses*





Service and Innovation for you

Working principle of the Automatic Printing Plate Bender

After placing the printing plate against the mechanical end stops on the bending unit, the optimal position of the printing will be automatically determined. Two practically **invisible measuring elements** place the printing image with micro meter accuracy on the bending plate.

The automatic positioning system iteratively moves each printing plate into a fixed position followed by the automatic bending process. The Automatic Printing Plate Bender executes fully automatic position determination and position correction until reaching the pre-set tolerances as well as the pneumatic bending of the plate.

For offset printing presses with sleeve technology where the bended edges invariably determines the position of the plate on the cylinder, like the Thallo and VSOP® 520 and 850, the make-ready time can be considerably reduced.

Measuring principle and elements

The position of the printing image is determined by imaging two video pictures of the measuring elements on the printing plate. These measuring elements are two elements on each plat Circle-form arrangement of multiple 80 µm dots within an overall diameter of 3 mm.

Specifications

- TFT monitor with touch screen control
- Motorised format length adjustment
- Emergency operation after power outage using the safety hand wheel for format length adjustment, pneumatic switch (clamping) and pneumatic button (bending)

Processable printing plate formats
- Plate length min.: 394 mm
- Plate length max.: 777 mm
- Plate width: 520, 850, 1050 mm

Service and Innovation for you

Hallseweg 21
6964 AJ Hall
The Netherlands

P.O. Box 70
6960 AB Eerbeek
The Netherlands

Tel. +31 (0)313 671 911
Fax +31 (0)313 671 919
info@dgpresss.nl