

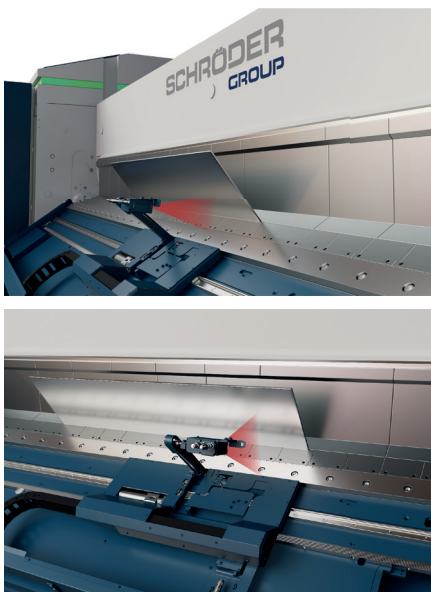
Laser measuring system in folding machines

SCHRÖDER
GROUP

Hans Schröder Maschinenbau has developed a machine-integrated optical measuring system for determining the bending angle in folding machines based on many years of experience of its development team.

The bending angle is determined immediately after the first bend and can subsequently be determined for all further bends. However, the corrections from the first measurement can be adopted for similar bends. The duration measurement process takes only a

few seconds. Thanks to the new optical bending angle measuring system, continuous monitoring of the production process, documentation of the results and direct feedback to the bending process are guaranteed.



The optical bending angle measuring system will be presented for the first time on the motorized folding machine PowerBend Professional at Blechexpo 2021 in Stuttgart. It is mounted on the folding beam of the machine and enables the operator to program sheet metal parts precisely. During this process, the laser measures the current bending angle of the sheet in the clamped status – potential operator errors can thus be avoided as far as possible. The actual angle is displayed on the software control so that corrections can be taught into a database depending on the material.

Technical data

- Side length independent angle measurement
- Suited for Up-and-Down-bends
- Actual angle is displayed on the control
- Corrections can be taught into a database depending on the material
- Measurement in clamped condition of the product
- Measurement takes place before programmed final angle of the product
- Angle tolerance of 0.2°
- No setup effort and impression-free

Future Features

- 3-point measurement to determine the required crowning profile
- Positioning assistant for the operator when using the front gauge
- Machine Calibration Assistant for checking all axis settings incl. readjustment recommendation
- Tool Setup Assistant for checking the existing tool setup in the machine to avoid machine damage due to incorrectly used tools

Hans Schröder Maschinenbau GmbH

Feuchten 2 | 82405 Wessobrunn-Forst | Germany | T +49 8809 9220-0 | F +49 8809 9220-700

E info@schroedergroup.eu | www.schroedergroup.eu

Alle Angaben gelten als Richtlinien und können jederzeit geändert werden. 211022