

# Sheet Feeder

## High productivity with automatic sheet feeding.

The trend to shorter-run, just-in-time production has been growing steadily over the past several years. The quick delivery time and flexibility required for this type of production can be realized only with digital cutting technology. Traditional methods, such as die-cutting, are simply too labour intensive and time consuming. A Zünd cutter equipped with sheet feeder speeds up the cutting process dramatically. As an added benefit, last-minute changes to cut files can be made easily and efficiently. With the Zünd sheet feeder, nearly all Zünd cutters can be converted to production systems with fully automated material loading capabilities.

Operator presence can be reduced to a minimum through the use of automated material-feeding and even more so with the help of a camera-guided registration system. The sheet feeder reliably delivers one sheet after another from stack to cutter. A variety of materials can be auto fed, including flexible sheets and lighter boards with limited porosity, such as paper, cardboard and foamcore.

The materials are placed in single or, if space allows, multiple stacks on the loading table. The sheet feeder is equipped with vacuum grippers that "grab" the sheet. At the same time, compressed air is blown into the stack

to ensure proper sheet separation. The sheet is then lifted onto the cutter and advanced to its proper cutting position with the conveyor. If the cutter is equipped with a camera system, it can determine the exact location of the materials (and printed graphics) on the cutting surface. After the cutting process is completed, the conveyor system advances the cut materials onto an off-load table. At the same time, the sheet feeder picks up and deposits another sheet on the cutter for continuous cutting. With flexible materials, a blower system can be used to facilitate unloading.



ZST-07-2008-mze

Feature / specification
Available for Zünd S-, M-, L- and XL- cutters
For flexible foils and dense paper materials
For lighter board materials (S-, M-, L-line up to 5kg/board; XL-line up to 2.5kg/board)
Sheet size up to 1200x2200mm
Wheeled roll-off unit for roll goods (optional)
Unloading blower (optional)
Available as upgrade for existing PN-series cutters

Benefits
Automated production with minimal operator presence
Cost-effective cutting system
Reliable operation with a wide variety of materials
Quick and easy setup
Perfect cut quality and cut-to-print registration
Quick return on investment
Support through local service partners

**Zünd Plotting Systems (UK) Ltd**  
 Unit 1, Spring Valley Business Centre  
 Porters Wood, St Albans  
 Hertfordshire, AL3 6PD  
 United Kingdom

Tel: +44 (0)1727 833003  
 Fax: +44 (0)1727 833006  
 Email: sales@zund.co.uk

