

# DIECUTTERS AND SHREDDERS –

PERFECTLY COMBINED, ENTIRELY AUTOMATED

HÖCKER POLYTECHNIK'S NEW PHSS DIECUTTER SHREDDER IS NOW EVEN MORE POWERFUL.

**Modern diecutting has never been more efficient.** Modern flatbed diecutters process up to 10,000 sheets/hour, thus they are the epicenter in corrugated and folding carton production. The bulky cutting grids and gripper edges, which arise from every diecut sheet are annoying by-products of this manufacturing power. This waste material must be disposed of manually and recycled in the waste compacting unit. It is an expensive and time-consuming process in a production that is otherwise extensively automated.

Höcker Polytechnik's PHSS shredders crush the cutting grids and gripper edges directly at the diecutter into pieces not larger than the palm of the hand. In this way, the material can be supplied to the existing automatic recycling circuit. Every PHSS shredder with connection hood is constructed especially for the respective dimensions of the diecutters

and can be operated with all common flatbed diecutters. So far, more than 100 of these productivity-increasing combinations are already in use globally.

## New Cutting System

Based on past experience, the PHSS shredder has been further improved. The latest model has a more powerful cutting system and the shredder is safer than previous models.

The successful basic principle of the shredder remains the same. Thanks to its wheels, it is ready for use within one minute and can be removed from the diecutter just as quickly. The simple accessibility to the settings at the diecutter is significantly simplified by the easy handling.

## Technical Data

The high-speed cutting system is extremely durable and self-cleaning. It is designed for continuous use and reliably processes the specified maximum of waste. An integrated porthole enables a visual control at any time.

In the lower area of the shredder an axial fan blows the shredded material to the extraction system via an extraction hood. This prevents material from building up even with a working width of

1700mm (67"). The fan blade geometry is inspired by bionics and works extremely quietly.

The PHSS shredders are equipped with IE3 motors from 7.5 to 15kW, depending on the weight (gsm) and material volume. Since in normal operation the shredder shreds "at idling speed," the 7.5kW shredder, for example, works with approximately 2.5kW and has a 5 kW power buffer for processing the maximum amount of waste safely.

Due to its optimum size the shredded material is perfect for pneumatic disposal, which saves energy as well. The volume flow required for material extraction can be reduced considerably. Compared to an uncrushed diecutting grid extraction, the extraction power can be reduced to one third. The PHSS shredder is supplied ready to plug in. Just connect and profit from the fully automated diecutting operation.

## Advantages

- Available for all common diecutters
- Adjusted detailed construction
- Working widths up to 1700 mm (67 inches)
- Docking station for easy handling
- Fully automated disposal of diecutting waste
- Less manpower
- Energy-efficient shredding

## Höcker Polytechnik GmbH

Hilter, Germany  
info@hpt.net

[www.hoecker-polytechnik.com](http://www.hoecker-polytechnik.com)

