

## DOX Knife Dust Removal

### Dust Removal Device For Circular Knives

The rotary knives upon longitudinal cutting usually create a large amount of dust. This dusting interferes with quality standards upon the transformation of paper and board. A large amount of dust is, for example, created in a sheeter by the longitudinal cut. The dust removal device for rotary knives was developed for rewinders, sheeters, paper machine edge cutting, slitters, etc. in order to increase quality standards by removing the dust created by the cutting operation.

#### Advanced Knife Dust Removal System

##### DOX Dust Removal Description

This dust removal device works independently from web-speed, and only little space is required for the installation. The hoods around the rotary knives do not interfere with the cutting operation and all knives with the hoods can be set in any cutting position.

The hoods can be equipped with antistatic units and air pressure pipes to clean the sheared edges by compressed ionized air.

##### Benefits for the Paper Industry

- Extensive dust removal
- Working speed up to 2500 m/min
- Little space required
- Extreme suction capacity
- Easy adjustment and positioning of cutting knives
- Free access for exchange of knives
- Uniform vacuum distribution in all knife-hoods
- Increased quality and therefore better runability upon printing
- Pay-back within a very short time-period

#### Technical Features

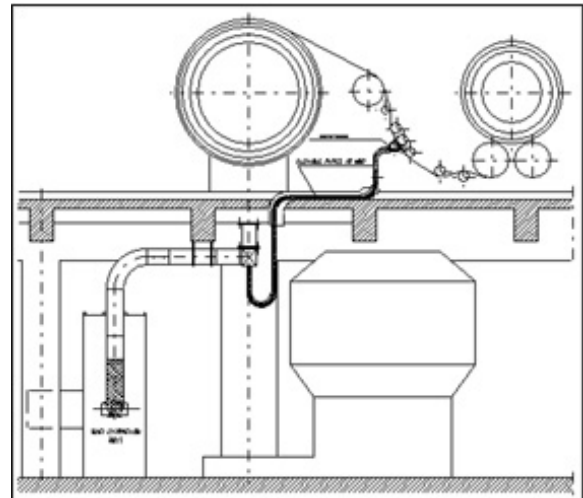
- Easy removal of hoods for changing the rotary knives
- Adjustable suction capacity of each hood

#### Technical Specifications

- Hoods to cover the circular knives
- Suction pipe with connections for fixing of the flexible pipes
- Air pipe for blowing air onto the sheared edges
- Antistatic units
- Dust extraction unit with filters or without filters

#### Options

- Dust hoods equipped with antistatic units and air pressure pipe to clean the sheared edges by ionized air



Advanced Knife Dust Removal System Layout

#### DOX Family

- DOX Brush Finishing
- DOX Air Web Cleaning
- DOX Knife Dust Removal
- DOX Spray Tech<sup>Fine</sup>
- DOX Brush Spray Unit
- DOX Brush RollHighTech