

DOX RotoClean/S

Print Paper Cleaning System

Surface cleanliness is very important for subsequent treatment in the printing industry. Dust particles in the Printing Presses interrupt the operation, causing inferior printing quality due to contamination of the blankets. Extensive trials have proven that a web cleaning unit must not only remove loose dirt particles, it must also eliminate statically charged particles which stick to the web surface. We recommend the use of the DOX RotoClean/S to achieve satisfactory results.

Advanced Print Paper Cleaning System DOX RotoClean/S Description

The cleaning unit is designed for a large-capacity vacuum. The cleaning effect operates evenly and continuously across the full width of the running web. During operation, the web enters the vacuum section for absorbing all dust particles. An air doctor (blade) and an antistatic high-voltage bar are installed in this section. By passing through the ionization field as developed by the antistatic bar, the web is deionized. The air doctor can be infinitely adjusted to various angles to the web to ensure that all dirt and fine particles are loosened and absorbed.

Through the combination of deionization, doctoring with air and an extensive vacuum, all dust particles are removed. The antistatic bar ensures that after the web leaves the unit it will not attract new dust particles.

The air containing the dust particles is sucked into the dust extraction unit and passes through a cyclone filter. The absolutely clean air is recirculated to the working area. This cyclone filter contains a vibrating device for periodic filter cleaning. The absorbed dust particles are collected in an easily accessible container.

A separate compressor produces the necessary airflow for the cleaning system to guarantee the optimum functioning of the air doctor.

Benefits for the Paper Industry

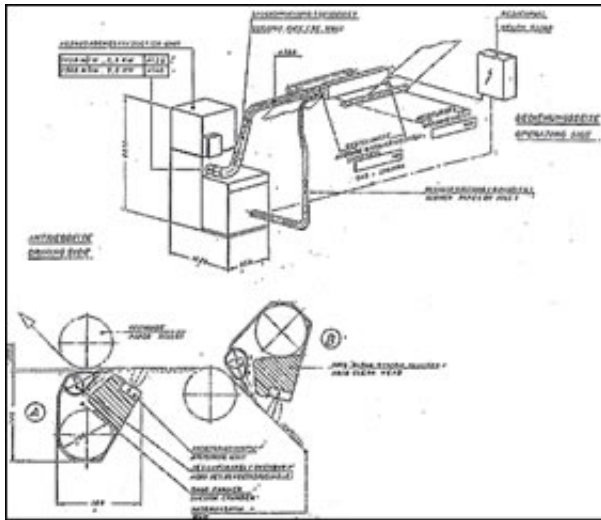
- Dust reduction of 90 - 95 %
- Longer cleaning intervals
- Improved runability and printability
- No mechanical contact with the web
- Surface or material structure is not affected
- Moisture content of the paper remains unchanged
- Single- or doublesided cleaning of the web
- Dust particles are collected in cyclone filters; clean air is recirculated into the working area
- No decrease in temperature
- Minimum maintenance required
- Compact design; installation is possible even if only limited space is available
- Reliable operation and highly efficient

Technical Features

- Contact-free aerodynamic dust removal
- No change of surface structure or moisture content
- Integrated antistatic unit in the aero system cleaner
- Dust extraction unit with filters for air circulation to the system cleaner

Technical Specifications

- System cleaner of self-supporting stainless steel construction
- Special jet air pipes (air knife)
- Double antistatic unit with double phase power supply unit
- Dust extraction unit



Advanced Print Paper Cleaning System

DOX Family

DOX Electrostat

DOX RotoClean/S

Options

- Single or double side system cleaning (top or underside)
- Dust extraction unit with filter for air circulation to the system cleaner