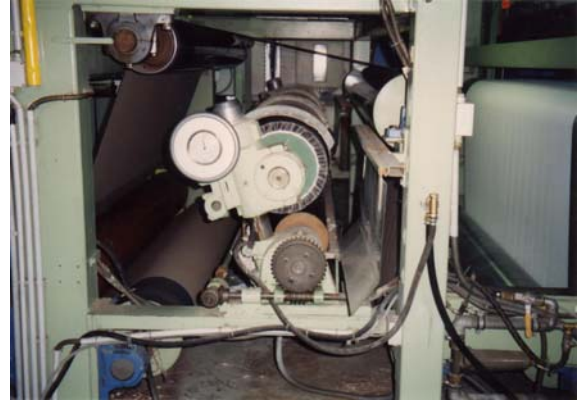


# DOX Brush Spray Unit

## - Brush Roll Spray System -

*A moistening system aproved since decades. Sturdy in construction; resistant to every kind of spray water.*

*The pick-up cylinder rotates in a tank with the spray emulsion. The spray water film on the pick-up cylinder caused by adhesion will be devided into finest droplets by a rotating brush roller and sprayed homogeneous across the working width.*



# Advanced Brush Spray Unit

## DOX Brush Spray Unit Description

Developed for continuous operation, this spray unit, wich is of sturdy construction, has been successful for many years. Normal water supplies may be used without special treatment to provide an absolutely uniform, very fine spray, across the sheet width.

This damper is adjustable to suit variations in the web run and can be readily installed into existing machines.

For re-winding machines, synchronisation with the speed of the re-winder can be provided. Range of adjustment is 1:25.

A special model is available for impregnation.

The brush roller sprays an even water film over the entire sheet width. The speed of the pick-up cylinder is variable and allows to provide practically any amount of water required on the paper. The brush roller itself rotates at constant speed. The water trough is made from stainless steel though providing a corrosion-free spray unit to prevent any extra maintenance.

The application is absolutely dweep-free and the system can also be fed from a tank with a solution.

## Benefits to the Paper Industry

- high moisture application
- constant moistening across the web
- exact dosage of moisture value
- integrated control system with PLC (Alan Bradly or Siemens S7) could connected to control system
- suitable for application of chemical solutions
- installation in on-line or off-line systems e. g. rewinding and moistening machines machine speeds up to 800 m/min
- moisture increase up to 15 - 25 %

## Technical Specifications

- pick-up cylinder covered with special rubber
- brush roll  
special segments filled with natural bristles or synthetic bristles
- water tank
- protection cover
- driving arrangement for brush roll and pick-up cylinder
- integrated control system with PLC (Alan Bradley or Siemens S7)

## 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 Roll<sup>HighTech</sup>

## Advanced Brush Spray Unit Layout

