

# META-Automation

## O-Frame Application Tissue Paper 14 - 40 gsm

Paper Machine for Tissue Paper.

The Application consists of the Measurement of Basis Weight and the Moisture in scanning Mode by dividing the web in 128 Data Segments (Cross-Direction) and Profile Calculation . The Control of Basis Weight occurs over Thickstock-Flow in Set Point Control (SPC)-Mode and Moisture Control over Machine-Speed.

### Technical Data

Basis Weight Measuring Head : Promethium 147, WMR-9

Moisture Measuring Head : Infrared, Reflexion Mode, MMR-9

Machine Speed : up to 800 m/min

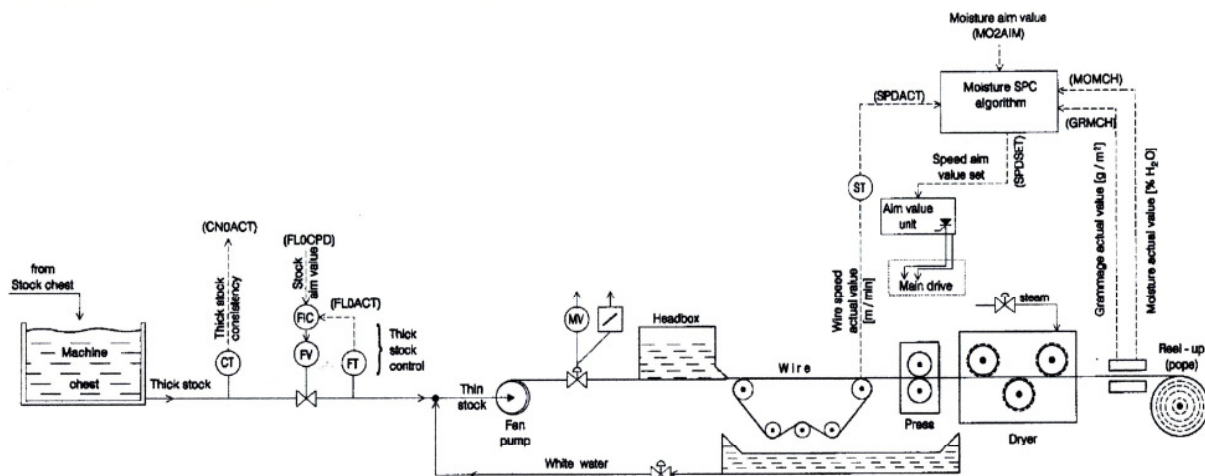
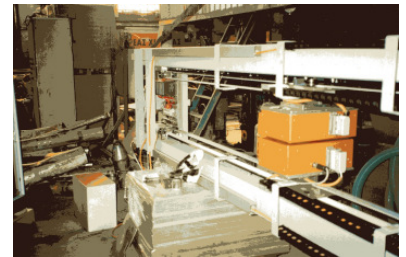
### Ambient Conditions

Harsh industrial Enviroment, very dusty, Ambient Temperature up to 50 oC

### Configuration

Scanning Frame : O-Frame Constuction, automatic scanning System between Photocells.

Main Enclosure (IP54), industrial PC, Printer, PLC-Unit integrated in Frame, Control Valve, Communication ProfiBus-DP



CT - Consistency Transmitter  
 FT - Stockflow Transmitter  
 FV - Flow Valve  
 MV - Motor operated Valve  
 (Pressure Headbox Control)  
 FIC - Stockflow Controller  
 (Flow Indicator Controller)  
 ST - Speed Transmitter  
 PT - Pressure Transmitter  
 PIC - Pressure Indicator Controller  
 PLS - Prozess - Leit - System

SPC CONTROL:  
 moisture via speed