

Monitoring Solutions for Paper and Cellulose Industry

ECM Group, in close cooperation with leading manufacturers of analytical technology, supplies instrumentation solutions for monitoring particles, gases and liquids.
Since 1991, ECM operates in many countries of Central and Eastern Europe.



Monitoring systems for the pulp and paper industry:

Combustion control, protection of electrostatic precipitators

In-Situ and TDL laser analyzers to optimize combustion and protect electrostatic precipitators



Water penetration into lubricating oil

Monitor the water content of lubricating oils, in particular for the protection of paper machine bearings



Bleaching process

Analysis of chemical composition in the bleaching process



Organic matter in process waters

Analyzers and probes for monitoring the organic content of process and waste water



Green, black and white liquor

Green, black and white liquor analyzers can be supplied also in a safe dual version



Wood chip moisture

Optical, capacitive, or microwave monitors of water content in wood chips



Pressure sensors for cellulose production

Vibration-resistant absolute and differential pressure sensors, without oil filling in the impulse line



Dosing of coagulants and flocculants

Portable titrators to optimize the dosing of coagulants and flocculants



Foam height

Water level foam monitors with output to control mixing and dosing of inhibitors



Cellulose and sludge sampling

Samplers of dense sludge substances intended for later laboratory analysis



Emission monitoring

Robust in-situ analyzers with an optical beam in a diffusion tube guarantee long-term reliable operation with minimal maintenance requirements. The devices are mounted directly on the duct and allow to connect oxygen, particle, flow and other monitors. They communicate with the central computer via LAN connection, so the infrastructure is minimal.



Monitoring of odors

Stationary and mobile odor monitoring equipment
The samplers are activated during episodes of odor pollution. The samples are subject of olfactometric evaluation or chemical lab analysis.



Ambient air pollution monitoring

ECM Group is a supplier of certified air pollution monitoring systems, but these systems.

We also supply devices based on compact sensor modules for such applications.

These stations allow monitoring of pollutants like SO₂, NO_x, NO₂, O₃, CO, CO₂, VOC, H₂S and also airborne dust.



Wastewater treatment plants

Monitoring stations at the inlet, outlet and in the actual wastewater treatment process itself



For detailed information on any solutions of your interest we are gladly available on our below contact:

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