



PAPER DIVISION

# Control of Pitch and Stickies



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The concentration of organic contaminants in the manufacturing cycles varies according to the raw materials used, the additives and the degree of closure of the cycle. If not appropriately treated, these "impurities" are a source of various problems such as production losses and finished product quality, machine downtimes for extra cleaning, and increased energy costs.

NCR Biochemical technology, together with the expertise of its technicians, is able to offer treatment programs that meet the various needs.

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## CONTROL OF PITCH AND STICKIES

The entry of resinous and synthetic contaminants coming from the pulp or waste paper into the production cycle creates significant problems of deposits, especially on wire and felt. NCR Biochemical technology allows these problems to be eliminated through two alternative or complementary methods:

- Fixing all of the contaminants through the use of specific additives that neutralise Pitch and Stickies when they come out the fibres and anchor them stably to the fibres, at the same time reducing their typical adhesiveness.
- A surface protection for forming fabrics, press felts and transfer cylinders, using specific passivating and emollient products which create a Pitch and Stickies repelling film and remove the deposits.

A complete programme to keep all surfaces treated clean:

- Avoiding annoying Tissue machine stoppages to remove deposits
- Increasing the life of the paper machine equipment
- Obtaining an overall reduction in production costs and improved quality of the paper produced.

The NCR Biochemical technical service includes analyses of the deposits, and a study of the circuit and chemistry of the production process.

# Product range



### **BIOFIX SERIES**

- Polymer-based products with fixative action.



### **BIOSPERSE SERIES**

- Surfactant-based products and block-polymers with specific action.
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**NCR Biochemical** is an international chemical company specialized in water treatment, biotechnology and process additives in the paper and sugar industries. We produce the best chemical technologies, find the best solutions for our customers, develop our own dosing systems and have thirty years experience and expertise in pursuing quality, safety and environmental responsibility. We confront the global industrial reality with a comprehensive scientific approach which brings benefits and results to our clients.



Analysis



Technical assistance



Consulting

[www.ncr-biochemical.com](http://www.ncr-biochemical.com)



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