

# Case Studies

## Industry: Pulp & Paper

### Process: Pulp Manufacturing

## Automating cleaning of a material storage tank reduces the process time by half and enables concurrent work.

An efficient work process without wasteful jobs is desired.

Manually cleaning of a material storage tank at a paper mill takes an operator 30 to 40 minutes per tank.

Continuously attending to one tank, which does not allow him to carry out other tasks, is a time and labor-consuming.

A demonstration test using a rotating spray nozzle installed in the similar manufacturing processes is proposed.

The testing with actual nozzles gets the customer to truly feel an effect of the rotation nozzles.

Release from continuously attending.

First, the automated cleaning reduces the process time by 10 to 25 minutes per tank.

Next, it enables concurrent work at multiple tanks making the manual cleaning one by one no longer necessary.

This drastically reduces a total amount of time needed to clean up all the tanks and creates an efficient work environment by allocating the saved time to other tasks.

With its satisfactory effect, the tank nozzles are additionally ordered and installed.



Tank cleaning nozzles

### ROTARY JETTER, RJ series

Rotating nozzles drivable with low pressure from 0.2 to 1.0 MPa. Solid stream jets rotating 360 degrees provide a high cleaning effect.

This series of the nozzles with large flow rate and long reach distance is convenient for cleaning of a larger tank interior.



LEARN MORE >>