

1st place in the national 'Young Researchers Competition'

Successful inventors from Krefeld

Voith Paper trainees Sarah Hinz, Stefanie Detges and Andreas Hampe developed an automatic cleaning system for the interior sleeve surfaces of paper machine rolls during their training in Krefeld. The idea has now won them 1st place in the national 'Young Researchers Competition'. It's a considerable achievement in their second year of training that even Chancellor Angela Merkel honored, with an invitation to Berlin.

The trainees wanted to noticeably reduce physical and health impacts on technicians with their automatic cleaning system for interior sleeve surfaces. In addition, they aimed for a faster, more thorough and more cost-effective cleaning of the interior sleeve surfaces.

Previously, in order to clean the sleeve, an employee in protective clothing had to crawl through the entire sleeve and clean the interior surface by hand. Since harmful cleaning agents (e.g., cold cleaning solvents) are used and the vapors that arise are mostly trapped in the

sleeve area, wearing inhalation protection was previously necessary. The Krefeld trainees were able to make the topic clearly accessible to the judges with their model and triumph at the national finale in Osnabrück. The model also forms the basis for the planned industrial implementation.



The successful inventor team with their model, from left to right: Sarah Hinz, Stefanie Detges and Andreas Hampe.



Beaming winners in front of the Eisenhof guest house. Dr. Hubert Lienhard, Chairman of the Board of Voith, had invited the three technology champions to Heidenheim. Front row, from left to right: Andreas Hampe, Stefanie Detges, Dr. Hubert Lienhard, Sarah Hinz; back row, from left to right: Heinz-Friedrich Kammen, Training Director at Krefeld, Dr. Hans-Peter Sollinger, Chairman of Voith Paper, Dr. Hilmar Döring, Director of Personnel Management and Joachim Hinz, Director of the Calender Systems product area.