

NANOVIS
surface technology

NANOCLEANER[®]
cleaning system

The environmentally sustainable Cleaning System for Pad Printing

- Clean
- VOC-free
- Self-contained System

NANOCLEANER®

cleaning system

● ● ● ● The NANOCLEANER NC-350 with its integrated recycling system offers a comprehensive solution for the cleaning of pad printing parts. Thanks to efficient and VOC-free cleaning and low operating costs, it meets all the ecological and economical demands made on a modern cleaning system.

The 3PLUS-Concept from NANOVIS

The foundation stones for the innovative and integral cleaning concept from NANOVIS are a sound knowledge of the three components **Process, Cleaning Agent and Equipment**. Only when these components are optimally harmonized with each other it is possible to achieve outstanding cleaning results and to reduce the burden on man and environment to a minimum.

The **PLUS** stands for the recycling system integrated into the equipment, which provides the cleaning agent with an unlimited time of use.

You can benefit from convincing cleaning results thanks to the 3PLUS concept from NANOVIS! With it you can be sure of having a progressive and environmentally friendly all-in-one solution.



Process

A patented activation process effective on the nanoscale is utilized in the NANOCLEANER NC-350. The cleaning takes place in a self-contained system under vacuum. This allows proper and efficient cleaning without developing health hazardous vapors.

The cleaning tank is filled with the cleaning agent. The soiled parts are placed on a grid inside the tank. After initiation, through the activation, the cleaning agent is transformed into a nano-emulsion which is continuously sprayed through the rotating jet arms onto the parts to be cleaned.



- No hand cleaning
- No dangerous vapors
- No special disposal

Cleaning agent

A cleaning agent developed and specially adapted to the equipment by NANOVIS is used for the cleaning. As opposed to the widespread VOC-containing solvents, it offers fundamental advantages – in particular it has a very high flashpoint, it is environmentally sustainable and it does not evaporate.

The equipment is designed to be an optimal combination of process, cleaning agent and recycling system. To guarantee sustained quality standards, exclusively first class components and materials are installed. Thanks to the self-contained system operated under vacuum, the NANOCLEANER NC-350 can on site be directly integrated into the production line. Together with the modest operating expenditures, very low operating costs are achieved.

Recycling

Parallel to the cleaning process, the reclaimed printing ink is constantly recovered from the soiled cleaning agent by the integrated recycling system. In this way the cleaning agent is not wasted and can therefore be used over and over again for an unlimited time. From time to time the printing ink can be removed by hand from the recycling system in the form of solid cakes, enabling a problem-free disposal.

| Technical Data | | | |
|---------------------------|-----------|-----------------|------|
| Dimensions | w x d x h | 940 x 540 x 880 | mm |
| Accommodation for Parts | l x b x d | 545 x 305 x 300 | mm |
| Electrical Connection | | 400 (3xL+N+PE) | V |
| Compressed Air Connection | | 6 | bar |
| Cleaning Time | | 10-20 | min. |
| Weight | | approx. 120 | kg |





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Our Company

We develop, manufacture and market nanotechnical systems for surface treatment of organic and inorganic solids, such as plastic, ceramic, glass or metal parts.

The demands made on cleaning and surface technology have rapidly increased in recent years. Numerous companies are searching for cost-effective and integral solutions, which also do not burden man and the environment.

Our committed team has many years of experience in interface and surface technology and in solving of demanding cleaning tasks. The Company's objective is to apply existing expertise to make serial production equipment available, which is sold directly and through distribution partners globally.

NANOVIS - your partner in surface technology

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