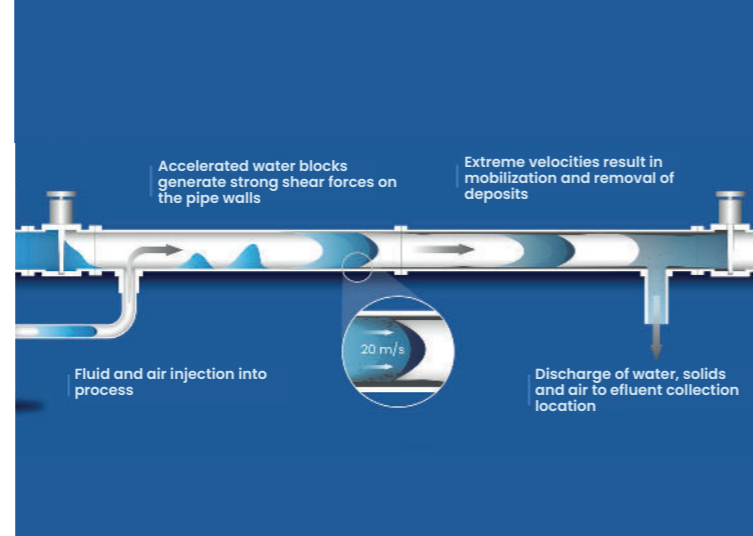


Product lines

comprex® cleans industrial systems of all kinds, such as product lines, filling systems and much more.

Applications

- › Food and beverages
- › Consumer goods
- › Pharmacy
- › Pulp and paper
- › And much more.



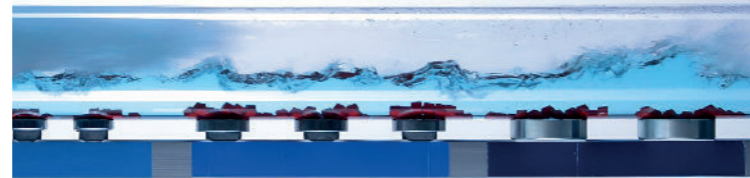
How our complex® process works

The patented complex® cleaning process is based on the controlled addition of water and compressed air into pipework.

This creates packets of air and water blocks that flow through the pipework at high velocity.

They generate enormous turbulence with strong shear and drag forces, whereby they manage to mobilise and reliably discharge existing deposits. The result: clean pipes and clean water – efficient, gentle and economical.

Watch the video



Hammann / complex® Engineering Stationary complex® systems



The stationary complex® technology enables regular, preventative cleaning of your systems. This prevents deposits and ensures hygiene.

Your advantages

- › 70 - 97 % water savings (depending on product)
- › Up to 80 % less downtime
- › Avoiding/reducing use of chemicals
- › Reduction/avoidance of heating costs



What can you do? Utilise our expertise in pipe cleaning.

We will be happy to assist you.

+49 6346 3004-78

Continuously pursuing
the next innovation.



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comprex®
Industry

Cleaning
industrial plants

Our industry solutions at a glance

With our patented comprex® process, we can successfully clean sophisticated pipe systems with stringent hygiene requirements. We are active in various sectors from metal, plastics and coating industry up to the highly regulated pharmaceutical, food and chemical branches and are committed to ensuring smooth production processes.



Machine and mould cooling

Liquid cooling produces deposits and biofilms in the cooling channels. This results in reduced cooling capacity. Removing these deposits increases the performance of the cooling system, saves energy and keeps cycle times stable.

Applications

- › Production machines
- › Injection moulding machines and Injection moulds
- › For own use comprex® ToolClean

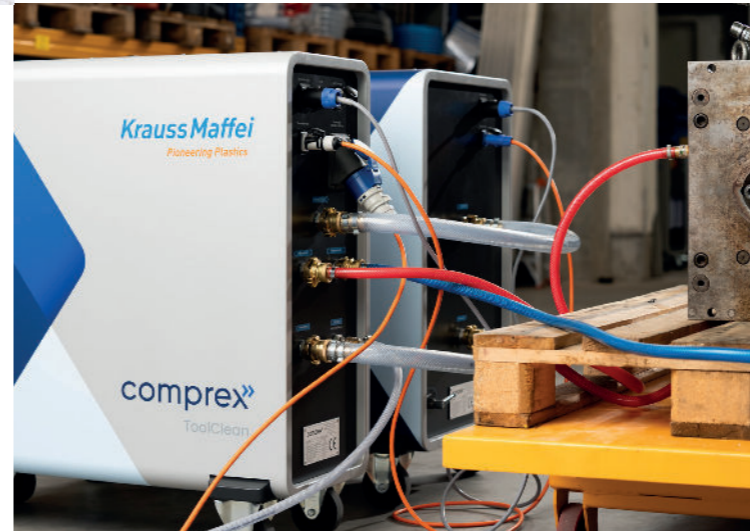


Cooling and temperature control systems / heat exchangers

Corrosion caused by well water or the entry of microorganisms requires regular cleaning of your cooling water pipes. Contamination or deposits in heat exchangers, also known as fouling, create additional contact resistance and impair the function of the heat exchanger.

Applications

- › Main circuits
- › Secondary circuits
- › Recooling systems
- › Heat exchangers



Heating systems and heating installations

Deposits impair the performance of your heating circuits. They narrow the cross-section of the pipes and reduce heat transfer. When mobilized, they clog fittings. With comprex® we provide a remedy.

Extinguishing systems

Functioning extinguishing systems are an essential part of fire protection. Deposits can impair their function. They narrow the cross-section of the pipes. Mobilized particles from deposits clog nozzles. We create safety with comprex®.

Pipelines

Are deposits narrowing the cross-section of your pipes and impairing flow, pump performance and energy consumption? We can help with comprex®.

Anwendungen

- › Process water and demineralized water pipes
- › Cooling water lines
- › Emulsion lines
- › Product lines
- › Raw, process and river water pipes
- › Sewage pressure pipes
- › New installations



Cooling lubricant systems

Water-miscible and non-water-miscible cooling lubricants (MWF) are used for cooling and lubrication in the machining or grinding process. Abrasion, dirt ingress or biological processes cause deposits to form in the cooling lubricant systems.

Applications

- › Centralized and decentralized cooling lubricants systems
- › Machining centers

