Preview ITR - Industrial parts cleaning 2020

PLANT ENGINEERING

Atmospheric pressure plasma - environmentally friendly, safe and automatable
Atmospheric pressure plasma technology is an environmentally friendly, safe and fully automated alternative to wet chemical cleaning. Processes such as gluing, coating or printing can thus be easily optimized.

Productivity increased, waste reduced
During the production of refrigerators and freezers, the surfaces are contaminated, for example from insulating foam. Switching from manual to dry ice cleaning increased productivity and significantly reduced rejects.

Economic factor drying
The aqueous parts cleaning enables cleaning processes to be individually and reliably adjusted to the most varied of requirements. The processes are now working efficiently and economically. But does that also apply to drying?

Capacity increased with large capacity dryer
Long drying times made the cleaning of very large, high-precision components the bottleneck of production for a company in the semiconductor industry. A separate condensation drying chamber in a clean room design provided a remedy.

EQUIPMENT

Less compressed air and noise thanks to new rotary nozzle technology
Ventilation cleaning processes usually cause high compressed air consumption and noise pollution. New rotating nozzles that can be optimally adjusted to the respective application provide a remedy.

Optimize processes through intelligent filter systems
In addition to variable filter housings, in which cost-effective standard filter bags and, if quality requirements have increased, standard filter cartridges can be used, a manufacturer now also offers an intelligent filter system.

Faster, more efficient and more effective thanks to the pulsating jet
Whether over the whole area or partially - snow jet technology has established itself as an economical and reliable cleaning method. A newly developed nozzle with a pulsating jet opens up further economic and technical advantages.

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PROCESS MEDIA

Additive for optimized and more efficient bath preparation
Ultrafiltration is often used to remove the finest suspended matter from aqueous cleaning tapes. However, it also filters out detergent components and additives that do not penetrate the membrane. A new bath preparation additive that binds the suspended matter and transports it to the surface provides a remedy.

QUALITY CONTROL

Tracking down killer particles
Contained in cutting and grinding wheels, boron nitride and boron carbide can become “killer particles”, especially in automotive components. In addition to a suitable cleaning process, a corresponding cleanliness analysis is required in order to be able to detect these hard particles.

Chained individual part cleaning of hydraulic blocks
The components of hydraulic controls go through various cleaning processes between the various production steps. At a well-known manufacturer, this is done in fully automated and linked lines with integrated cleaning systems.

Dates

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