

CLEANING HIGHLY POLISHED COMPONENTS EXAMPLE: LARGE VISIBLE PARTS IN AN ELEVATOR

REQUIREMENTS

Highly polished workpieces must be free of grease after engraving in order to be painted in a further step.

In the application, visible parts had to be cleaned that were integrated in a lift and in the operating surface.

PREVIOUS TECHNIQUE

In the particular application, it was almost impossible to clean the components because they were too large for ultra-sonic baths or clear rinsing baths; these methods were therefore not viable from a financial point of view.

Consequently, manual cleaning with rags was used. However, scratch-free cleaning was a particular challenge, as even soft rags left scratch marks.



Mirror-bright and scratch-free surface after cleaning with ph-cleantec system

OUR SOLUTION: MODIFIED 1000 SRE WITH SEPARATE RINSING SYSTEM

ph-cleantec recommended a modified 1000 SRE with a separate rinsing system.

The actual cleaning is done with alkaline cleaner and deionised water. The addition of alkaline cleaner reduces the aggressiveness of the deionised water; thus, a normal 1000 SRE could be specified instead of a stainless steel unit.

In a second step, the degreased area is rinsed clear with deionised water. This removes residues on the surfaces that cannot be removed later. This additional rinsing process thus generates a residue-free surface. The components can then be wet painted and installed.

YOUR ADVANTAGES

- **Efficiency/quality:** Low-pressure hot cleaning technology offers an ideal and efficient solution even for large components, saving time and avoiding rejects.
- **Flexibility:** Maximum flexibility with regard to quantities and sizes - no restriction to the dimensions of washing machines or ultrasonic baths.
- **Cost-effectiveness:** Until now, our customers were reluctant to sell highly polished versions because production and maintenance of the components were extremely costly and all residues were immediately visible. Since the introduction of our technology, this area has been highly profitable.
- **All in all:** Low investment, hardly any running costs, but high efficiency and perfect quality.