

CLEANING OF BRASS COMPONENTS

REQUIREMENTS

In this specific case, electrical connection parts made of brass, which are produced by machine tools with cutting oil cooled technology, had to be cleaned.

Large quantities - approx. 500-3500 pieces per shift - and different part sizes - L = 10-100mm, \varnothing = 2-50mm - had to be cleaned.

PREVIOUS TECHNIQUE

In continuous production, the workpieces are cleaned by hand in boxes next to the machine tools using petroleum and then blown off with compressed air.



Brass pistons after cleaning

OUR SOLUTION: LOW PRESSURE HOT-CLEANING AS ALTERNATIVE

With the help of low-pressure hot cleaning, the workpieces could be cleaned easily and considerably faster. Because of the high temperatures - up to 95°C - drying is much faster, so that (expensive) compressed air is saved. Thanks to the low pressure - up to 7.5 or up to 14 bar - the parts are not damaged.

In particular, expensive solvents that are harmful to health and the environment could be dispensed with.

In this particular case, no limescale stains remained on the surface. This could be solved, if necessary, with a stainless steel unit in which deionised water is used.

All in all, this resulted in a considerably faster and more cost-effective process, which also protects people and the environment.

YOUR ADVANTAGES

- Quality: Unimpeachable quality, no damage, no rejects.
- Efficiency: Significantly faster than manual cleaning (previous method).
- Environment/health/work safety/chemistry: No chemicals, therefore environment- and health-friendly, higher work safety, and significantly lower costs for working time and chemicals.
- Compressed air: Significant savings on compressed air.
- Universally applicable device: Ideal for parts cleaning, machine cleaning, automation.
- Economics: Low investment, low running costs, significant cost savings, and top quality.



Small brass parts