

## CLEANING SMALL FIRE ARMS

### REQUIREMENTS

Handguns consist of several components and need to be disassembled for cleaning. In the cleaning process mainly oil residues from preservation, residues of propellants, environmental dirt and the like need to be removed.

The geometries of the individual components are so complex and intricate that the weapon operator can only clean the components superficially using normal techniques. Especially for weapon overhauls in the police and armed forces, a professional and complete cleaning of the entire weapon is required. In this process, all weapon parts are examined for their suitability for use, wear, micro-fractures, etc.

Weapon components must of course also be cleaned during manufacture, for example barrels after honing.

### OUR SOLUTION

At a police headquarters in southern Germany, a low-pressure hot cleaning device is used to cover all cleaning needs that were previously covered by a cold cleaning washstand.

In the specific case, the aspect of cleaning "in the most impossible places" was valued very highly. For example, the inside of a magazine shaft is cleaned through firmly mounted springs. Even in places that are very difficult to access, such as the central mechanism in the grip, our technology achieves extremely good results.



manual cleaning of a pistol – taken apart

The rapid drying of the parts due to the temperature applied, as well as the temporary corrosion protection provided by the cleaning agents used, were also judged to be very positive.

In contrast to the cold wash table used previously, there is no need to work with solvents containing VOCs. This significantly increases occupational safety, reduces health risks, and is clearly more sustainable than the cold wash tables used before.

## YOUR ADVANTAGES

- Efficiency/quality: Due to high temperature and appropriate spray tools (nozzles), fast and thorough cleaning of even the "most impossible places".
- Fast drying of the individual parts or assemblies due to the high temperature.
- No damage to sensitive components.
- Cleaning inside the workshop is no problem: No aerosols, no VOC's, no clouds of droplets, no splashback effects.
- Devices are mobile and generally self-sufficient.
- Occupational safety and environmental protection, chemicals: Only a small amount of chemicals is needed for temporary corrosion protection; this protects the environment, increases occupational safety and reduces costs.
- Hardly any waste water: Industrial water can be used in the cycle for up to 3 weeks. This saves chemicals and disposal costs.
- The hot cleaning units can be used universally, e.g. for maintenance and servicing or for cleaning machines and parts.
- Cost-effectiveness: Significantly less cleaning time; fewer chemicals and less waste water.
- Overall: Comparatively low investment and hardly any running costs, but high efficiency and top quality.