



# Can Water Replace Solvents for Metal Cleaning?

For decades, ultrasonic and mechanical cleaning has proven effective and efficient. Understanding and appreciating these cleaning systems is critical when deciding whether to replace chlorinated solvent cleaning. Updated federal EPA regulations and mandates have been major driving forces in the focus to replace cleaning with chlorinated solvents.

## 1. Ultrasonic Cleaning

Ultrasonic cleaning builds upon the concept of soak cleaning by adding the use of high frequency sound or ultrasonic waves. A combination of chemistry and this form of energy effectively removes a wide variety of soils including, but not limited to:

- oils
- greases
- buffing & polishing compounds
- paraffins & waxes, abrasives
- rouges
- metallic chips
- fragments
- shavings

Ultrasonic cleaning systems are ideal for rem792 re 16/ang Span45(re)1175(re)03866./F4 11.5(rtps.sn5(f ch)e2 792017D



solutions normally provide formulations in the pH range of 8-13. Cleaning non-ferrous or more sensitive metals may also require inhibitors in the

