



More than 140 YEARS of service and innovation

A world leader in the creation of environmentally friendly cleaning products, West Penetone has earned the respect of many industrial sectors for its innovations, expertise and ability to solve the most difficult problems, regardless of the situation.

West Penetone products are used in such varied fields as the food, pulp and paper, petrochemical, transportation, printing, supermarkets and mining industries.

With its specific challenges and requirements, the industrial sector requires special attention. Our extensive experience of this environment has earned us an enviable reputation within the industry.

Looking for a product to meet a specific need?
Our team of experts can develop products that will answer your requirements.

Implementation of chemical application procedures by our technical team allows you to carry out your cleaning operations while ensuring a safe environment.



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Discover our Ultrasonic cleaning solutions



Ultrasonic Cleaning

Fouling occurs in every type of process refinery, including crude and natural gas. The effect of excessive fouling leads to loss of efficiency over several aspects of operations, with almost every unit or asset, and may lead to shorter intervals between turnarounds.

During these turnarounds, accessible assets such as heat exchanger bundles or process unit components may be pulled specifically for ultrasonic cleaning.

The West Penetone ultrasonic product segment, including:

1. **SONIC WAVE PLUS** – RTU alkaline degreaser for soft metal or cross metallurgical cleaning
2. **SWP CONC** – Alkaline degreaser concentrate for soft metal or cross metallurgical cleaning
3. **WESTSONIC HD** – Alkaline concentrate for ferrous metal cleaning
4. **TETRAGARD ULTRA** – Acid-based scale and oxidation remover

Our formulations were designed and intended primarily for ultrasonic cleaning in dip tanks.

This product design process included:

1. **Comparing cleaning performance against competing formulations used secondarily as cleaning chemistry in ultrasonic tank applications**
2. **Understanding effects of soil loading and types on cleaning performance over time**
3. **Understanding the relationship between the effects of ultrasonic cavitation and cleaning chemistry on various metallurgies**
4. **Understanding the logistical challenges in providing ultrasonic cleaning services**
5. **Understanding the chemical hygiene requirements in open tank, high-temperature ultrasonic tank cleaning applications**
6. **Understanding the long operational life of ultrasonic tank cleaning applications and what it takes to effectively monitor chemical cleaning performance for the duration of the project**

Each aspect of this design process was supported by extensive research and review on each formulation's cleaning efficacy, rates of corrosion, and suitability with fouling types as well as on how ultrasonic tanks are set up and operated.

The products in this segment were purpose-built and intended solely for ultrasonic tank cleaning applications, making them the ideal and preferred choice for meeting and exceeding a variety of industrial cleaning demands. Talk to your local West Penetone representative to discuss the products and services best suited for your ultrasonic cleaning project.

