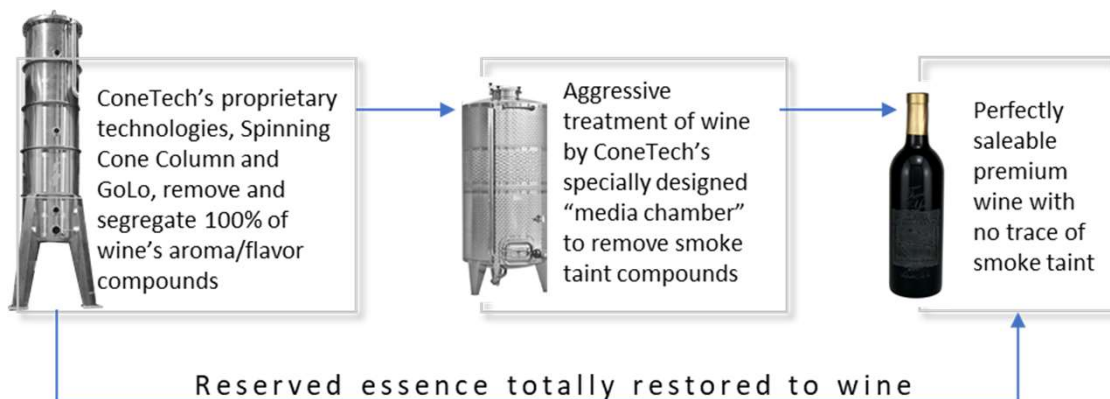


SMOKE TAIN REMOVAL

Proven New Process

- New out-of-the box methodology
- Proprietary, patented method (two years of R&D)
- Based on new analytics measuring complete taint profile (before and after)
- Removal of free and bound compounds

The foundation of ConeTech's new proprietary process was a comprehensive new approach to the analysis of smoke tainted wine. For the first time ConeTech has identified the compounds which cause smoke taint, allowing for targeted removal - a process that is very different from existing methods. The process itself begins with very low temperature vacuum distillation, which completely isolates the fragile volatile compounds typically lost when other smoke taint removal methods are employed. ConeTech then developed delicately selective media to aggressively target and remove the offensive compounds without irrevocably damaging the wine's aromatic profile.



For more information
Visit our website at www.conetech.com or Phone +1 707.577.7500 or Email info@advancedbevtech.com

ABOUT THE NEW ANALYTICS

Key to ConeTech's breakthrough in removing smoke taint began was an analytical rigor never before applied to this particular issue. In initial testing, using new measurement techniques not available in California but developed in Australia and now available from a Chicago laboratory specializing in certain types of distilled spirits analysis, up to 30 compounds were tracked, not all of which are seen in every smoke tainted wine. All tracked compounds in ConeTech's experimental testing have been documented to have significant relevance in smoke taint. All compounds were analyzed with extreme accuracy, to one tenth of a part per billion through the Chicago lab. Evidence shows that both bound and free compounds are removed through ConeTech's process. Early trials have indicated no return of offending compounds.

ABOUT THE NEW SMOKE TAIN REMOVAL SYSTEM

Discarding all previously used removal techniques, ConeTech drew upon other industries for out-of-the-box solutions. These included the search for a hyper-selective matrix with specific affinity for the offending compounds. This led in turn to a custom-designed proprietary chamber whose interior design optimizes the wine's passage across the active elements in the matrix. Since delicate aroma/flavor compounds would also have suffered from this process, these are first segregated by ConeTech's VLTD technologies, for restoration in full to the now smoke taint free wine.

EXAMPLE ANALYTICAL RESULTS

Smoke Tainted Wine Analysis - 2018 Vintage						
Compound	Free (ppb)			Bound (ppb)		
	Untreated	Treated	% Removed	Untreated	Treated	% Removed
o-Cresol	12.1	4.3	64.5	2.5	0.0	100
o-Guaiacol	23.7	13.1	44.7	20.0	9.7	51.5
p-Cresol	18.1	10.1	44.2	0.0	0.0	-
Methyl p-Cresyl Ether	11.7	0.0	100	2.9	0.0	100
Syringol	46.2	0.0	100	38.4	0.0	100

ABOUT CONETECH INC

ConeTech Inc., is a specialized California-based "technology service" company dedicated to radical technology-driven innovation in the global beverage industry. In 1991, ConeTech pioneered the application of Very Low Temperature Distillation (VLTD) to American beverages when it imported to America the first Spinning Cone Column equipment embodying this type of distillation. ABT/ConeTech later expanded its service centers to other countries (Spain, South Africa, Chile) and its technological skills to other beverages, becoming the largest SCC owner/user in the world, and most recently expanded its VLTD capabilities by co-developing its own unique GoLo technology. ConeTech is a member of the Advanced Beverage Technologies group of companies.

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