

Ethanol Blend Optimizing

Uncertainty in blending can cost refineries millions and there hasn't been a way to be 100% sure the ethanol blend meets spec – until now. The Icon Ethanol Blend Optimizer integrates seamlessly into the blending control system, analyzing the blend and optimizing it to meet specifications.

Start Knowing About Your Giveaway.

The addition of ethanol demands precise control over fuel composition to adhere to regulatory standards and support long-term carbon reduction goals. Icon by PAC ensures the quality and consistency of blended fuels by accurately measuring key parameters like octane, distillation, sulfur, vapor pressure, and aromatics.

Remove the guesswork from the operation.

When it comes to ethanol blending, refineries must ensure precise fuel composition to meet regulatory standards. Traditionally, refineries have relied on educated guesses in the form of Boost models, risking the entire batch's return if the blend isn't accurate. However, with Icon's Ethanol Blend Optimizer, refineries can guarantee blend quality by accurately testing the final blend, giving refineries the full economic benefit of online analyzer control and certification of the final product.



Maintain Tight
Process Control



Optimize Efficiency
and Minimize Rework



Experience Hassle-Free
Maintenance

Savings Benefits of Icon's Ethanol Blend Optimizer

\$2M-\$25M+

THE BENEFITS RANGE ESTIMATED FOR ONLINE ANALYSER CERTIFICATION, DEPENDING ON THE SIZE OF THE REFINERY AND THE VOLUMES BLENDED.

\$1M-\$15M

THE BENEFITS RANGE ESTIMATED FOR ANALYSER CONTROL OF THE BLEND



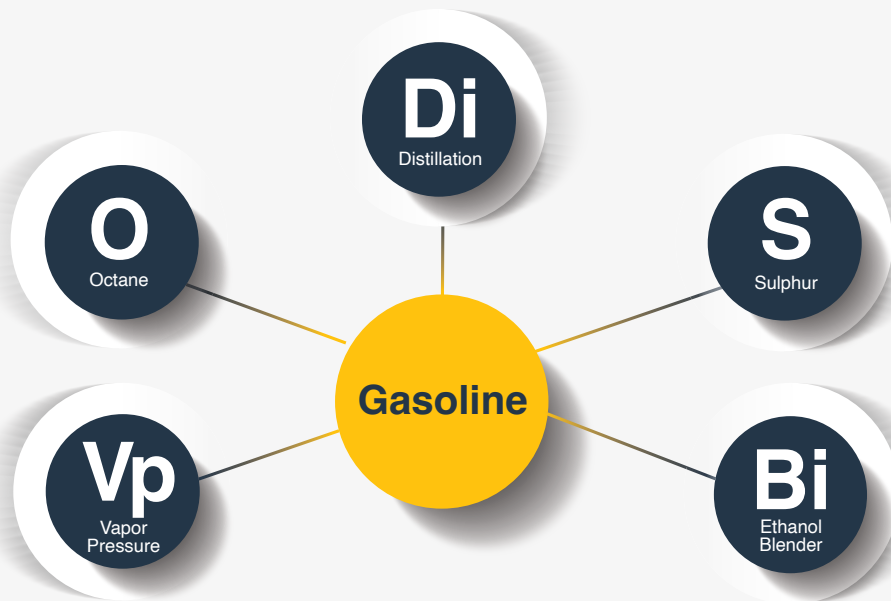
SCAN ME

Explore your own savings with
our blending calculator

pacip.com

Gasoline Ecosystem

Ethanol blending is not just about mixing fuels—it's about achieving a balance between performance, environmental impact, and sustainability. Producers face the challenge of meeting regulatory standards while optimizing fuel quality and engine efficiency. PAC offers a comprehensive approach to gasoline blending that integrates precise measurement and analysis across various parameters. We call it our Gasoline Ecosystem.



Octane

PAC's analyzers help to accurately determine octane ratings to help producers ensure gasoline meets regulatory standards while maximizing performance.

Distillation

PAC's analyzers help producers characterize boiling points, enabling precise fractionation and simplifying complex data, leading to swift decision-making.

Vapor Pressure

Vapor pressure impacts fuel performance, emissions, and safety. PAC's analyzers precisely measure vapor pressure, ensuring gasoline remains stable under changing temperature conditions.

Aromatics

Aromatics can influence combustion behavior. PAC's instruments measure aromatic hydrocarbon content, optimizing fuel blends and supporting regulatory compliance.

Oxygenates, Benzene, and Olefins

Oxygenates enhance octane and reduce emissions. Benzene and olefins impact fuel stability and combustion. PAC's analyzers provide precise measurements to guide formulation choices, ensuring safe, efficient gasoline.

PAC's Gasoline Ecosystem offers a comprehensive approach to gasoline blending, integrating precise measurement and analysis across various parameters. Whether it's refining, blending, or analyzing, trust PAC to fuel your success in today's complex gasoline market.

Icon is part of PAC, a leading global manufacturer of advanced analytical instruments for laboratories and online process applications. Icon helps producers to navigate the complexities of fuel formulation, compliance, and performance. It's not just about blending; it's about precision, innovation, and sustainable solutions.

For further information, visit us online at iconscientific.com
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