



Jiskoot™ Quality Systems

Company Profile

Through Jiskoot Quality Systems, Cameron is a leading international provider of high accuracy, value added sampling, blending and measurement solutions for the oil and gas industry. All Jiskoot systems and products are designed to improve profitability, provide a rapid return on investment and have low lifecycle costs.

Sampling

Jiskoot's main area of expertise is in liquid and gas hydrocarbon sampling. A sample taken using a proven hydrocarbon sampler, that complies with the ISO 3171, ASTM D 4177, API 8.2, IP 6.2, ISO 8943 (2007) and API 14.1 sampling standards provides custody transfer or quality measurement that cannot be disputed.

Jiskoot has over 25 years experience in the design, manufacture and supply of products and systems for crude oil, condensate, refined product, liquefied natural gas (LNG), wet gas and multiphase sampling.

Blending

Jiskoot is also an internationally acknowledged leader in the field of in-line blending systems. With over 40 years experience of blender design Jiskoot can supply solutions ranging from simple ratio control two-stream blenders for fuel and crude oil applications through to large systems with automatic density or viscosity blend optimisation.

Jiskoot is able to provide complete blending solutions from design to start-up and our systems are guaranteed to operate as a totally integrated part of the process plant and reduce operating costs.

Jiskoot can design a range of turnkey, integrated in-line blending systems for process liquids including crude oil, LPG, LNG, ethanol and bunker fuel oil.

Multiphase Metering

Jiskoot has over 20 years experience of the design, manufacture and supply of multiphase flow measurement solutions and has a unique approach. We believe that there is no single technology that operates across the whole multiphase envelope and therefore provide high accuracy measurement solutions engineered from the best available tools for specific production applications.

Jiskoot's expertise is founded on our experience of the deployment of measurement solutions and our alliances with key research and education facilities. This allows us to provide solutions, incorporating the latest techniques and technology, that improve production measurement, reduce operating costs and improve the profitability of a production asset.

Company

Jiskoot has the capability to perform all design, manufacture and system testing in-house, where we custom-build systems to project requirements. We perform all hardware and software design to documented procedures to ensure total specification compliance.

We have strategic alliances with both industrial and academic institutions, and are able to specify the best equipment for applications, drawing on measurement expertise gained from decades of experience in the process industry.

Our wide-ranging capability and facilities enable us to accept total project management for virtually any sampling, blending or multiphase metering application. Together with the support of over 50 trained agents worldwide, our project managers look after your requirements from site survey to final on-site commissioning, training and local support.

Services

- Site survey
- Consultancy
- Design, fabrication and testing
- Site start-up
- System proving
- Performance guarantee
- On-site support



Jiskoot Products

Sampling > Systems

Cojetix sampling system

The most accurate system for liquid hydrocarbon sampling for custody transfer or allocation measurement. Combining the benefits of the bypass loop with the mixing from the JetMix.

Fast Loop sampling system

A high accuracy, simple to maintain, sampling system mounted in a pumped bypass/fast loop.

In-Line sampling system

An in-line liquid hydrocarbon sampling system is suitable for 4" to 52" pipelines and uses a probe sampler inserted into the pipeline with a mixing system, installed upstream, if required.

JetMix mixing system

The JetMix is a powered mixing system designed for crude oil and liquid hydrocarbon sampling.

Sampling and analysis system

A Cojetix or bypass loop sampling system with on-line analysers such as water-in-oil monitors and densitometers integrated in the sampling loop.

IsoFraction LNG sampling system

A gas sampling system with an integrated vaporisation, stabilisation and control system.

MassPase Wet gas sampling system

Designed to extract a sample that can be used to correct the errors in DP measurement caused by the presence of liquid in the gas.

Sampling > Applications

Crude Oil Sampling

Crude oil sampling in accordance with the international sampling standards, whether at an offshore platform, marine loading terminal, pipeline or refinery, is crucial for accurate allocation, custody transfer or BS&W measurement.

Wet Gas Sampling

Metering wet gas using traditional differential pressure devices causes errors in gas measurement. The Jiskoot wet gas sampler allows the extraction of samples to accurately measure the liquid/gas mass or volume ratio and determine the contents of the liquid phase.

LNG Sampling

Sampling liquefied hydrocarbon gases, often at low temperature and high pressure, demands precision system design using high quality materials and special sample handling equipment

Refined Product Sampling

ISO 3171, ASTM D 4177, sampling systems can provide ISO 9000 certification of refined products like naphtha, diesel, gasoline or aviation fuel. Special handling procedures allow samples to be quickly analysed for density or quality.

Multiphase Sampling

Extracting representative samples from multiphase flow to be used for analysis and subsequent calibration of multiphase measurement instruments is crucial to accurate production measurement.

LPG Sampling

Sampling liquefied hydrocarbon gases, often at low temperature and high pressure, demands precision system design using high quality materials and special sample handling equipment

.....and more sampling applications

Blending > Systems

Ratio control blenders

Suitable for a wide range of applications and blend products to an extremely accurate component ratio.

Density trim blenders

These blenders are used for applications such as crude oil and propane/ butane blending. The blender uses a densitometer to optimise the quality of the final product.

Viscosity trim blenders

These blenders are suitable for blending products such as bunker fuel oil and crude oil. The blender uses a viscometer to optimise the quality of the final product.

Blending > Applications

Crude Oil Blending

Low pressure-drop, high accuracy in-line crude oil blenders for terminal, jetty and pipeline applications that guarantee the blended crude is produced at the lowest cost to meet the required specification.

Bunker Fuel Oil Blending

Barge, jetty, shore or container mounted in-line bunker blenders enable operators to produce any type of fuel oil to very close viscosity and volumetric tolerances. Costs can be reduced by \$1-4 a tonne by reducing distillate 'give away'.

.....and more blending applications

Multiphase > Systems

Mixmeter multiphase meter

Mixmeter is suitable for well test, reservoir management and allocation metering applications.

Multiphase sampling

Sampling system to extract representative samples from multiphase flow.

MEASUREMENT SYSTEMS

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