

## DKSH supplies technology and expertise for biotechnology, R&D and analytical laboratories



Scientific Instrumentation  
New Zealand

# Scientific Instrumentation



## DKSH New Zealand

DKSH New Zealand supports companies expanding their business in existing markets and launching into new ones. With Market Expansion Services along the entire value chain - from sourcing, marketing and sales, custom manufacturing, warehousing, distribution and logistics to quality assurance, after-sales services and project management.

Our Scientific Instrumentation Business Line provides:

- Instrumentation and consumables
- Technical assistance
- Service
- Applications support

We employ qualified industry specialists with technical expertise.

## Scientific Instrumentation

The Scientific Instrumentation Business Line offers customers a range of high quality instrumentation, labware, consumables and value added services.

We are active in the following industries:

- Environmental
- Food and beverage
- Mining
- Pharmaceutical
- Petrochemical
- Material science
- Biotechnology
- Research and development

## Our Products

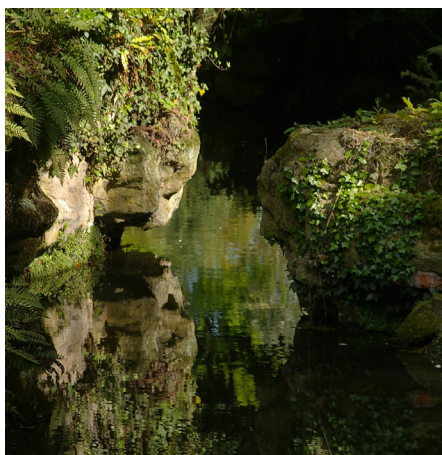
We offer specialised analytical equipment and services in the fields of chemical analysis and material sciences. The main market sectors we serve include the environmental, food, dairy, beverage, pharmaceutical and petrochemical industries, mining and minerals, as well as wine laboratories.

We provide application, after-sales support, as well as end-user training. We serve commercial testing and manufacturing laboratories, as well as research institutions and universities.

Our products include:

- Automated flow analysers
- Environmental chemical systems
- TOC and CHNOS analysers
- Mercury and hazardous element analysers
- X-ray fluorescence spectrometers
- Microwave extraction and synthesis systems
- Chromatography
- Spectroscopy
- Laser diffraction particle sizing
- Dynamic light scattering equipment
- Petroleum testing equipment
- Dispersion stability and separation analysers
- Laboratory and process ultrasonic homogenisers
- Near infrared spectroscopy
- FTIR, FTNIR and Raman spectroscopy
- ICP-OES, ICP-MS instruments
- Tablet dissolution, preparation and testing systems
- Pyrolysis
- Thermal desorption systems
- Purge and trap, trace analysis
- Physical property testing
- Mobile and stationary metal analysers
- Liquid handling
- Water purification
- Sample digestion equipment

# Environmental, Soil and Water



The analysis of water, soil and plants is an essential part of environmental resource management and research. At DKSH we have the capability to supply geological, plant and water testing facilities, contract laboratories and research institutions in New Zealand with world-renowned analytical instruments.

All products are supported by the DKSH service and support team who are well equipped with product and application knowledge.

Our comprehensive range of products offer

solutions for the following analyses:

- Anions
- Cations
- Cyanide
- Phenol
- Nutrients
- BOD
- TOC/TN
- Solids
- Metals
- Mercury
- pH and conductivity

plus many more applications.



Analysing contaminants in waste water, purity of drinking water, elements in soil, geology and plant samples.



Combustion IC for sulfur and halogen analysis.



XRF analysers with a variety of applications for soil, water, geology and minerals.



The world's most versatile pyrolyzers, headspace and thermal desorption systems.



Balances, pH and ISE REDOX meters / electrodes.



Stable Isotope Mass Spectrometers (IRMS) stand-alone or combined with Elemental Analysers (EA), GC or HPLC with continuous flow / dual inlet applications.



Sample digestion technology using focused short wave infrared radiation. Digest sample within 10 minutes without the need for perchloric or hydrofluoric acid.



QuickChem 8500 FIA for nutrient analysis and ion chromatography, MicroDist for rapid distillation of cyanide, phenol & ammonia.



The determination of Mercury (Hg), Arsenic (As), Selenium (Se), Tellurium (Te), Antimony (Sb) and Bismuth (Bi) by Atomic Fluorescence Spectroscopy.



Elemental analysers for combinations of CHNOS and TOC. These instruments use combustion and purge and trap technology to offer unrivalled performance. Suitable for liquids, slurries and solid samples.



Metals Digestion – HotBlock, AutoBlock. Distillation systems for cyanide, phenols, ammonia, TCLP, Oil & Grease. Consumables - BOD, total suspended solids, COD, filters, syringe filters, sample digestion, IC supplies and lead testing.



PeCOD® analyser - Faster, greener, safer COD analysis and BOD screening.

Single and multi-parameter automated analysers for a wide range of applications. Technologies include BOD, potentiometric titration, colourimetry, turbidity and ISE.

## Food, Dairy & Beverages



The analysis of parameters in the food, dairy and beverage industry is an essential part of any quality management plan. Whether this management includes component analysis such as moisture, fat, protein or specific elements (metals, nitrogen etc), or whether you are looking to optimise your production and reduce production downtime. DKSH can help.



DKSH supplies a range of globally renowned instrumentation from world class manufacturers, all backed by our highly skilled application and service support team to assist you and your business.

Our comprehensive range of analysers offer solutions for the following applications, to name but a few:



- Fats and proteins
- Salt
- Solids and moisture
- Nitrogen
- Trace metals
- Anions and cations
- Acidity and alkalinity
- Physical properties
- Sugars and carbohydrates



Measuring systems for the determination of water activity (aw) in food and pharmaceuticals.



Stable Isotope Mass Spectrometers (IRMS) stand-alone or combined with Elemental Analysers (EA), GC or HPLC with continuous flow / dual inlet applications.



Single and multi-parameter automated analysers for a wide range of applications. Technologies include BOD, potentiometric titration, colourimetry, turbidity and ISE.



Analysers for the dairy industry including lactose, protein, fat, moisture, solids and somatic cell counters.



Fat, Fibre (crude, ADF, NDF and ADL), Kjeldahl Protein for the food and feed industry.



Protein analysis utilising Dumas technique. Elemental analysers for CHNOS, using combustion with purge & trap technology to give unrivalled performance. For liquid, slurries and solid samples.



Elemental Analysis (by AA, ICP-OES and MS) Molecular Spectroscopy using UV-Vis, FTIR and FTIR-NIR



Flow Injection Analysis (FIA) and Ion Chromatography (IC) analysis for a wide range of anions and cations.



Laboratory and portable XRF instruments for elemental analysis of food, dairy and feed products.

# Material Science



Analysis of materials plays a crucial part in both manufacturing and research, whether this is monitoring the quality of raw material, analysis of finished products for QC / QA or R&D.

DKSH provides a wide variety of instruments from its portfolio of market leading technologies, all backed by the DKSH service and applications support team.



With the portfolio covering physical properties, chemical composition and surface analysis, DKSH is able to tackle many applications in the manufacturing and academic world.

With our various levels of service contracts, extended warranties and finance options, choosing equipment for materials analysis has never been easier.



Applications and technologies include:

- XRF
- ARC / SPARK OES
- Atomic Force Microscopy
- RoHS / ELV
- Surface Mapping
- Particle Size / Distribution / Stability
- Penetration
- Homogenisation and many more



Non-destructive, thermal sensor technology solutions for R&D, QC and production applications.



Laboratory and industrial ultrasonic equipment for homogenising, dispersion, emulsifying, cell extraction, transesterification and cleaning.



FTIR Systems and FTIR microscopes for analysis and identification in the materials industry.



German built, robust laboratory ovens and furnaces with temperature control options for a variety of applications.



Mobile metal analysers, stationary metal analysers, X-Ray fluorescence spectrometers.



High precision and high pressure syringe pumps. Single pump, dual pump and hazardous locations pumps.



Thermal analysis and calorimetry instruments for pharmaceuticals and life science, energy, and advanced materials and chemical process safety applications.



Scanning tunnelling microscopes, atomic force microscopy / scanning and probe microscopy.



Pyrolysis, Thermal Desorption and Head-space analysis of organic material such as plastics, films, fibres, paint, paper, ink and adhesives.

# Petrochemicals



DKSH Scientific Instrumentation offers our customers a wide range of consumables, labware and specialised instrumentation for the petrochemical industry.

Our sales, application support and service teams are dedicated professionals who are experienced in all facets of our business, thus providing you with a complete solution for your laboratory.

Our factory trained support engineers and applications specialists are equipped with product and application knowledge. These dedicated engineers and specialists provide customer service, repairs and maintenance, on-the-spot training and know-how transfer, offering real added value to you.

Our comprehensive range of products include solutions for the analyses:

- Fuel testing
- Flash point and autoignition testing
- Distillation
- Elemental analysis
- Viscosity and moisture testing
- Oil testing
- Friction and wear testing
- Grease and wax testing
- Bitumen testing
- Process monitoring



Vapour pressure, flash point testers and MID-FTIR for fuel analysis. Moisture meters and online vapour pressure analysers.



Combustion IC for sulfur and halogen analysis.



Single and multi-parameter automated analysers for a wide range of applications. Technologies include potentiometric titration, colourimetry, turbidity and ISE. TAN / TBN / COD / BOD.



AD Systems is specialized in designing, manufacturing and marketing scientific equipment, mostly dedicated to petroleum testing.



SINDIE (2622, 7039 and OTG): Total sulphur analyser. CLORA: Total chlorides analyser. Maxine: Multi-element XRF, online sulphur analysers.



On-line/lab determination of Mercury (Hg), Arsenic (As), Selenium (Se), Tellurium (Te), Antimony (Sb) and Bismuth (Bi) by Atomic Fluorescence Spectroscopy.



ICP-OES, ICP-MS UV-Vis and FTIR analysers for a variety of applications in the petrochemical industry.



Viscosity baths, ASTM equipment, high temperature circulators and low temperature circulators.



Instruments to measure cold flow properties such as pour point, cloud point and freeze point. Instruments are available for lab, portable and on-line applications.

# General Laboratory and Analytical Consumables



DKSH Scientific Instrumentation provide general laboratory equipment to be used in all sectors of the science and research industries in both academic and commercial laboratories. This includes environmental, food & beverage, mining, petrochemical industries and tertiary education.

We offer our customers a range of high quality consumables, labware and value-added services.

Our academically trained staff with bio-medical, engineering, chemistry and biotechnology backgrounds provide education, end-user training, application support and after-sales services to hospitals, universities and research institutions, both commercial and public.

DKSH offers a range of general laboratory equipment including:

- Temperature controlled baths
- Hotplates, stirrers and mixers
- Chillers and incubators
- Ovens and furnaces
- Centrifuges
- Balances
- pH, redox and conductivity meters
- Pipettes
- Laboratory water system
- ICP, AA standards and consumable
- Chromatography consumables



# Service

## **Service Contracts**

The DKSH service and support team offers a range of standard and bespoke on-site or return to workshop service contracts. These range from basic maintenance contracts to agreements covering parts, labour and priority emergency call outs to suit individual requirements.

## **Extended Warranty Options**

All scientific equipment offered by DKSH can be upgraded at time of purchase by opting for a fully-inclusive 12, 24, 36 or 48 month parts and labour extended warranty. This will ensure the uptime of your instruments is maximised for up to four years after the original manufacturers warranty has expired.

## **Finance Options**

DKSH New Zealand is pleased to offer purchase agreements that cover lease only or lease to own options over 2-5 years, making high technology instruments even more affordable than ever. Lease and purchase agreements can be tailor made to include service contracts and extended warranties.