

**Product Portfolio 2023**

# **Your Partner of Choice for Complete Solution in the Scientific Industries**





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# Foreword



**Hanno Elbraechter**

Head Business Unit Technology  
Member of Executive Committee

Long before many of today's companies were created, our founding fathers ventured to Asia to lay the foundation of what is now DKSH. They not only built thriving businesses themselves, but also helped other companies grow and succeed. This is still the core of our business more than 150 years later: we provide a wide range of integrated Market Expansion Services to grow our partners' businesses.

Business Unit Technology provides opportunities for manufacturers of industrial products to expand their business in new or existing markets. For our customers we offer total solutions in the areas of scientific instrumentation, precision machinery, packaging, printing and converting, hospitality equipment, industrial materials and supplies, IoT, semi-conductor and electronics as well as various specialized industrial applications.

For our clients we provide value-added services along the entire value chain including market analysis and strategy, marketing, sales, distribution and logistics, application engineering and after-sales

services such as installations, maintenance and repairs. By covering these important tasks in the product life cycle, our clients can focus on their core competencies: research, development and production.

Our application engineering expertise enables our customers to optimize equipment usage. We operate our own showrooms and laboratories, supplying customers with samples, conducting feasibility and validation testing and helping them to develop new applications.

With corporate governance and compliance embedded in our culture and operations, our clear policies and processes provide our partners with reassurance. On average, our clients work with us for more than ten years. Our partners appreciate our passionate and highly committed specialists, our unparalleled local knowledge and infrastructure as well as our service-driven business model. Coupled with our strong financial background, this makes us a reliable and trustworthy partner in the long run.



## Operations in

Australia	India	Malaysia	Singapore	Thailand
Cambodia	Indonesia	Myanmar	South Korea	Vietnam
China	Japan	New Zealand	Switzerland	
Hong Kong	Laos	Philippines	Taiwan	



# Four Highly Specialized Business Units



### Consumer Goods

Focusing on fast moving consumer goods, food services, luxury goods, as well as fashion and lifestyle products.

### Healthcare

Covering pharmaceuticals, over-the-counter (OTC), consumer health and medical devices and diagnostics.



### Performance Materials

Expertise in innovation and formulation, we distribute a wide range of ingredients and specialty chemicals

### Technology

Covering a broad range of capital investment analytical instruments, offering sales, application engineering and after-sales services

### Scope of Business

General Laboratory Equipment	Laboratory Consumables	Analytical & Material Testing Instruments	Life Science / Pharmaceutical Instruments	Service Solutions
Balances & Weighing	Cell Culture Reagents	Materials Research	Active Pharma Ingredient	Calibrations & Repair Services
Centrifugation	Microbiology Media	Food & Agriculture	Bio-Processing	Final Acceptance Testing
Cold Storage Solution	Glassware & Plasticwares	Petroleum & Petrochemical	Bio-Pharma	Installation and Commissioning
Lab Automation	Fluidics & Consumables	Environmental Research	Drugs Discovery	Laboratory Asset Management Services
Temperature Thermostats		Chemical Processing	Genomics & Proteomics	Laboratory Relocation Services
Sample Preparation		Synthesis & Reaction	Medical	Preventive Maintenance
Water Purification			Molecular Research	Training & Demonstrations



### Gas Generators and Purifiers

- Nitrogen Gas Generator
- Hydrogen Gas Generator
- Zero Air (Synthetic) Generator
- Compressor

<https://www.claind.it>



### Sample Digestion System

- Modular sample digestion with 12 / 15 - positions
- Employs focused, short-wave infrared radiation (IR) for complete digestion
- Sample sizes from 0.2 - 30g
- Digestion time and acid used reduce by 1/2 compared to existing digestion techniques

<https://coldblock.ca>



### General Laboratory Products

- Autoclaves
- Freeze Dryer
- Heating Mantle
- Hotplate Stirrer / Mixer Shaker
- Laboratory Oven / Incubator
- Waterbath/ Shaking Waterbath

<https://www.daihan-sci.com>



### Automated Pipette Tips and Microwell Plate Washers

- Tipnovus™ - Benchtop Automated Pipette Tips Washer
- Purus - Benchtop Automated Microwell Plate Cleaning System

<https://grenovasolutions.com>

### Haier Biomedical



### Ultralow Freezer, CO2 Incubator, Spark-Free Refrigerator/Freezer

- -86°C ULT Freezer
- Spark-Free Laboratory Freezer/Refrigerator (ATEX)
- CO2 Incubator
- Biosafety Cabinet Class II Type A2

<https://www.haiermedical.com>



### General Laboratory Products

- MagFuge® High Speed Centrifuge & Stirrer
- Vortex Mixers and Shakers
- Magnetic Stirrers
- Colony Counter
- Sampling Handling Consumables
- Tube Storage & Accessories

<https://www.heathrowscientific.com>



### Water Quality Monitoring System

- Online UV Analyzer
- Photometers
- Online Residual Oxidant and Chlorine Monitors
- Online Turbidity Meter

[www.watts.com/our-story/brands/hf-scientific](http://www.watts.com/our-story/brands/hf-scientific)



### Laboratory and Industrial Scale Ultra-sonicators

- Bench-top Ultrasonic Homogenizer
- Industrial Ultrasonic Homogenizer / Probe
- Ultrasonic Pump Solution, Flow cells, Transducer for industrial reactor

<https://www.hielscher.com>



### Scientific Equipment for Microbiology

- Gravimetric Dilutors
- Lab Blenders / Stomachacher
- Dispensing Pumps
- Automatic Platers
- Colony Counters
- Real-time Incubator and Colony Counter

<https://www.interscience.com/en>



### Medical and Laboratory Refrigerators / Freezer

- Blood Bank Refrigerators
- Blood Plasma Freezers
- Pharmaceutical Refrigerators / Freezers
- Laboratory Refrigerators / Freezers
- Laboratory Explosion-Proof Refrigerators / Freezers (ATEX)

<https://www.kirsch-medical.com>



### Laboratory Centrifuges

- Micro-Centrifuge
- Blood-tubes/bags Centrifuge
- Benchtop / Floor Standing Centrifuge
- Hematocrit & Immuno Hematology Centrifuge
- High Capacity / High Throughput / Refrigerated Centrifuge

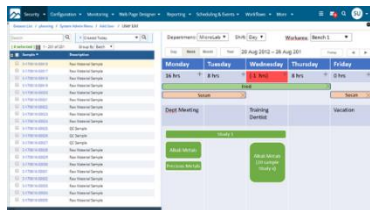
<https://www.centrifuge.jp>



### General Laboratory Products

- Freeze Dryer
- Nitrogen Blowdown Concentrator Evaporator
- Solid Phase Extraction (SPE)
- Rotary Evaporator
- Vacuum Pump

<https://labtechsrl.com/en>



**Lab Information Management System (LIMS)**

- LIMS platform is available by pre-configured package solution or subscription basis
- COVID-19 LIMS, Biobanking, Contract Testing, Diagnostic, Food and Beverages, Oil & Gas, Pharma Biotech, Public Health Lab, Medical Lab

<https://www.labvantage.com>



**Constant Temperature Equipment Heating and Cooling Systems**

- Water Bath and Shaking Water Bath
- Heating Thermostats
- Circulation and Process Thermostats
- Circulation Chillers
- Industrial Chillers

<https://www.lauda.de/en>



**Measuring instruments for laboratories, research and industry**

- Viscometer
- Rheometers
- Texture analyzer

<https://www.lamy rheology.com/EN/catalogue/>



**General Laboratory Products**

- Water / Dry Baths
- Ultrasonic Cleaners / Baths
- Desicators and Dry / Environment Cabinets
- Fume Hoods
- Food / Material / Medical Analyzers
- Sterilizers and Lab Washers

<https://www.mrc lab.com/>



**Laboratory /Industrial Furnace**

- High Temperature Oven (Up to 850°C)
- Chamber/ Muffle Furnace (Up to 1800°C)
- Tube Furnace (Up to 1800°C)
- Industrial High Temperature Furnace (Up to 3000°C)

<https://nabertherm.com/en>



**Laboratory Water Purification System**

- Lab Water System (Ultrapure and DI water)
- Centralize Water System (DI and RO water)
- Mixed Bed Ions Exchanger
- ASTM Type 1, 2, 3 lab-grade water

<https://www.neptec.de>





### Laboratory Balances, Magnetic Hotplate Stirrer

- Portable Balance / Precision Balance
- Analytical Balance
- Semi-Micro Balance
- Moisture Analyzer
- Magnetic Hotplate Stirrer
- pH/ Conductivity Meter

<https://asiapacific.ohaus.com/en-ap>



### Vortex Mixers, Shakers, Incubator Shakers, Rotators

- Vortex Genie
- Bead Beater/ Homogenizer
- Incubator Shaker (Temp controlled)
- Rotator/ Rocker

<https://www.scientificindustries.com>

**xylem -ebro<sup>®</sup>**



### Cold Chain Data Loggers and Thermometers

- Cold Chain and Process Monitoring Data Loggers
- Folding, Infrared, Precision, Refrigerator and Thermocouple options
- Highly accurate temperature and pressure data loggers for thermal validation processes

<https://www.xylem.com/en-sg>



### Food Hygiene Monitoring System

- Advanced Petrifilm Plate Reader
- Petrifilm Plates for different pathogens
- Clean-Trace™ LM1 Luminometer
- Clean-Trace™ Surface / Water ATP
- Allergen Protein ELISA Kit

[https://www.3m.com.sg/3M/en\\_SG/p/c/lab-supplies-testing](https://www.3m.com.sg/3M/en_SG/p/c/lab-supplies-testing)



### Chromogenic Culture Media

- Bases for Culture Media
- Dehydrated Culture Media
- Ready-to-Use Culture Media
- Kits and Reagents
- Supplements and Additives

[https://www.solabia.com/ww/Divisao\\_9/BIOKAR-Diagnostics.html](https://www.solabia.com/ww/Divisao_9/BIOKAR-Diagnostics.html)

## CORNING



### Laboratory Consumables and Glassware

- Science Mediatech™ Media, Sera, and Reagents
- Gosselin™ Lab Glassware and Plasticware
- Pyrex™ - Borosilicate Glassware

<https://www.corning.com/worldwide/en/products/life-sciences.html>



### Laboratory Consumables and Glassware

- BioProcess Single-Use, Stainless Steel, Vent Filters
- Laboratory Filtration and Membranes
- Laboratory Glassware, Plasticware, Safety Gears

<https://www.foxxlifesciences.com>



### Fluidic Systems

- Column Hardware
- Degassers
- Fluidic Connections
- Manifolds, Pumps
- Sensors, RI Detectors, Valves

<https://www.idex-hs.com/store/fluidics.html>



### Blender Bags

- Blender bags with filter
- Blender bags without filter
- Blender bags with culture media
- Sterile sample bags
- Autoclave Deodorant

<https://www.interscience.com/en>



#### Diagnostic Kits for Food Pathogen Detection

- Listeria Rapid Test
- Salmonella Rapid Test

<https://www.nemistech.com/>



#### Life Science and Medical Plastic Consumables

- Cell Biology - Cryogenic vials, cell culture flasks, dishes, cell culture plates
- Microbiology - Petri dishes, inoculating products
- Molecular Biology - PCR Plates, tubes, racks
- General Plasticware - Sample vials, centrifuge tubes, pipet tips, pipettes, PET bottles, cuvettes, syringe

<https://www.cell-nest.com>



### Particle Size and Shape Analyzers

- Mastersizer
- Zetasizer
- Morphologi
- Omnisec
- Spraytec
- Insitec

<https://www.malvernpanalytical.com/en/>



### Near-Infrared Spectrometers and Spectroradiometers

- FieldSpec range
- Lab Spec range
- Terra Spec range
- QualitySpec range

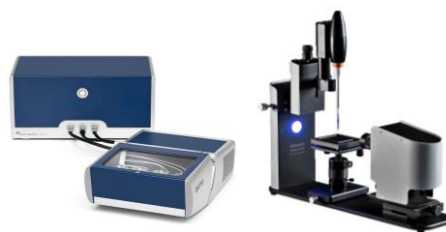
<https://www.malvernpanalytical.com/en/products/product-range/asd-range/fieldspec-range>



### Miniature-Scale R&D Technology Processing System

- Beverages Equipment
- Dairy, Edible and Essential Oils
- Educational Food Technology
- Ingredients, Liquid Foods
- Nutraceuticals, Pharmaceuticals
- Industrial Food Technology

<https://armfield.co.uk>



### Surface science analytical instruments

- Smart tensiometer solutions consisting of force & optical tensiometers
- Premium QCM-D solution for nanoscale tracking of interactions at surfaces and interfaces
- Smart tools for thin film fabrication, deposition, and characterization

<https://www.biolinscientific.com/>



### Borate Fusion for XRF, AA and ICP analysis

- LeNEO
- TheOx Advanced
- Fluxes & Chemicals
- Platinum ware

<https://www.malvernpanalytical.com/en/products/product-range/claisse-range>



### Analysis System for Food & Beverage Quality Control

- Oils and Fats
- Milk and Dairy Products
- Eggs and Bakery Products
- Nuts and Hard Shell Fruits
- Pet Food and Feeds

<https://www.cdrfoodlab.com/>



**Automatic Optical Inspection Camera**

- 360° Can and Label Inspection
- Code Reading / Dirty Tray / Empty Can / Metal Ends / Scoop Inspection
- In-line Seam Inspection

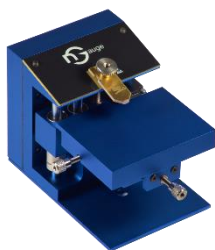
<https://industrialphysics.com/brands/eagle-vision>



**Automatic Petroleum Testing Equipment**

- Vapor Pressure Tester
- Flashpoint Tester with Autosampler
- FTIR Fuel Quality Analyzers
- Distillation analyzer

<https://www.grabner-instruments.com>



**Benchtop Single-Chip Atomic Force Microscope (AFM)**

- Capture 3D images with 1,000,000x magnification
- Simple benchtop set-up and plug-and-play operation

<https://www.icspicorp.com>



**Petroleum Testing Equipment**

- Open/Closed Cup Flashpoint Tester
- Cloud and Pourpoint Tester
- Auto Distillation Unit
- Crude Oil, Grease, Lubricant Tester
- Heated Centrifuge
- Kinematic Viscosity Bath

<https://koehlerinstrument.com>



**Elemental Analyzer, Thermal Analyzer, Mass Spectrometry**

- CHNS/O Analyzer for Organic / Inorganic materials
- Protein / Total Protein Dumas Analyzer
- Glow Discharge Atomic Emission Spectrometer
- GC-TOFMS, GC-MS with GCxGC, GCxGC-TOFMS
- Bomb Calorimeter

<https://www.leco.com>



**Particle Counter and Cleanroom Monitoring System**

- Airborne Particle Counter
- Liquid Particle Counter
- Handheld / Portable Particle Counter
- Remote / Real Time Particle Counter
- Microbial Samplers

<https://www.golighthouse.com>





### Stability Analyzer, Separation Analyzer and Dispersion Analyzer

- LUMiFuge
- LUMiSizer
- LUMiReader PSA
- LUMiReader X-Ray

<https://www.lum-gmbh.com>



### Testing Instruments for Pulp, Paper and Packaging

- Abrasion Testing
- Burst / Compression Testing
- Coefficient of Friction (CoF)
- Smoothness Testing
- Thickness Testing

<https://industrialphysics.com/brands/messmer-buchel>



### High Shear Fluids Processor

- LM10 High shear fluid homogenizer
- LM20 High shear fluid processor
- M110P Electric Benchtop homogenizer
- Pilot scale and production scale homogenizer

<https://www.microfluidics-mpt.com>



### Field Flow Fractionation Platform

- Flow FFF Platform for Separation of Proteins, Macromolecules and Nanoparticles

<https://www.postnova.com>



### Testing Instruments for Plastics Industry

- Hardness Testing
- Melt Flow Testing
- Strength Testing
- Creep to Fail Testing
- Density Testing
- Specific Gravity Testing

<https://industrialphysics.com/brands/ray-ran>



### Inline Particle Measurement

- Smart Online Particle Analysis Technology
- Suitable for Chemical, Water Treatment, Food, Biochemistry, Pharmaceutical, and Petrochemical Industry

<https://sopat.de/en>



**Vapor Sorption Analyzer**

- Dynamic Vapor Sorption Analyzer
- Gravimetric Gas/Vapor Sorption Vacuum Analyzer
- Inverse Gas Chromatography-Surface Energy Analyzer (iGC-SEA)
- Vapor Pressure Analyzer

<https://www.surfacemeasurementsystems.com>



**Testing Instruments in Moisture, Gas and Oxygen Analysis**

- Water Vapor Permeation Analyzer
- Oxygen Permeation Analyzer
- Oxygen Transmission Rate Analyzer

<https://industrialphysics.com/brands/systech-illinois>



**Automated Sample Prep, TOC, ICP-OES, Mercury Analyzer**

- Total Organic Carbon (TOC) Analyzer
- VOC Analyzer
- ICP-OES
- Automated Liquid Handling Station
- Mercury Analyzer

<https://www.teledynecetac.com>



**Testing Instruments for Leak Testing**

- Leak or Leak Flow Test System
- Pressure Bubble Tester
- Smart Package Tester

<https://industrialphysics.com/brands/tm-electronics>



**Testing Instruments for Plastic Film, Foil, Ink, Coatings, Nonwovens, Adhesives and Corrugated**

- Coefficient Friction/Peel Tester
- Z-Direction Tensile Strength Tester
- Box Compression Testers
- Slide Angle Coefficient of Friction (COF) Tester

<https://industrialphysics.com/brands/testing-machines-inc>



**Universal Test Machines and Hardness Testers**

- Rockwell Hardness Tester
- 25 to 100 kN Tabletop Universal Testing Machine

<https://industrialphysics.com/brands/united-testing-systems>



### Particle Size Analyzers and Microcalorimeters

- Microcal ITC / DSC
- Morphologi
- Nanosight
- Omnisec
- Zetasizer

<https://www.malvernpanalytical.com/en>



### Full Spectrum Flow Cytometry for Cell Analysis

- Full Spectrum Profiling (FSP™) technology
- Up to five lasers, three scattering channels, and 64 fluorescence channels
- State-of-the-art optics and low-noise electronics provide excellent sensitivity and resolution

<https://cytekbio.com/>



### Laminar Wash Technology

- Laminar washing delivers better cell retention and cleaner, clearer data
- Very little stress placed upon the cells, ensuring the integrity of cell surface markers.
- Better segregated data than centrifugation-based wash methods

<https://www.curiox.com>



### Next Generation Sequencing instruments and consumables

- Nanobind HMW DNA extraction + Short read eliminator kit
- Single-cell sequencing kit
- Onso short-read sequencing
- Sequel Iie / Revio long-read sequencing

<https://www.pacb.com/>



### Amino Acid Analyzer, Spectrophotometer and Microplate

- Amino Acid Analyzers
- EZ Read microplate Spectrophotometer
- WPA compact spectrophotometers
- Colorimeters

<http://www.biochrom.co.uk>



### Single Cell Technology

- Single Cell RNA-Seq
- Single Nuclei RNA-Seq
- Plant Protoplast RNA-Seq
- Cells in Agarose
- Nadia Instruments
- Nadia Innovate

<https://www.dolomite-bio.com>

**dynamic**  
BIOSENSORS



**Molecular Interaction Analysis**

- Binding Parameters
- DNA/RNA Binders & Enzymes
- Conformational Changes
- Kinetics on Cells
- Thermodynamics
- Nucleic and enzyme activity

<https://www.dynamic-biosensors.com>

**FlowCam**  
Yokogawa Fluid Imaging Technologies, Inc.



**Particle Liquid Interface Analyzer**

- Combines digital imaging, flow cytometry, and microscopy into a single instrument
- Automated imaging technology
- Offers highest-resolution images of submicron particles on the market

<https://www.fluidimaging.com>

**nanofcm**



**Flow Cytometry Analyzer for Bio-Nanoparticles**

- Unprecedented Sensitivity for Scatter (24 nm) and Fluorescence (single PE)
- Multiparameter Analysis of <100 nm Nanoparticles
- Complements Conventional FCM for sizes < 200 nm
- Applicable to Extracellular Vesicles, Gene Therapy Vectors, Viruses and Drug Delivery Particles

<https://www.nanofcm.com>

**nicoya**



**Surface Plasmon Resonance (SPR)**

- World's first SPR instrument to integrate digital microfluidics (DMF) with nanotechnology-based biosensors.
- Enables all fluidics to be disposable, precise handling of 2µL sample volumes, crude sample compatibility and zero fluidics maintenance

<https://nicoyalife.com>

**PHARMA**  
TEST



**Pharma Dissolution Testing and Galenic Instrument**

- Automated Dissolution Systems
- Automated Powder Flow Analyzer
- Tablet Hardness Test Instrument
- Ampoule Test Instrument
- Tablet Friability Testing Instrument

<https://www.pharma-test.de/en>

**Quanta**bio



**Advanced DNA/RNA amplification reagents and library prep for NGS**

- DNA/RNA extraction kits
- qPCR instruments and qPCR/PCR reagents for difficult samples
- Library prep solutions for NGS platforms

<https://www.quantabio.com/>

**REDSHIFT**bio™**Biomolecule Biophysical Characterization**

- Automated, sensitive, and highly reproducible secondary structure measurements of proteins and other biomolecules
- Features Microfluidics Modulation Spectroscopy (MMS)

<https://www.redshiftbio.com/>



### Service quality and commitment is our top priority

Our professional services cover the entire equipment lifecycle by providing training, installation and commissioning, production start-up, preventive maintenance, repair and spare parts as well as machine and system relocation.

DKSH offers a full range of preventive maintenance programs to suit your unique maintenance needs, depending on the frequency of planned service visits and type of support required.



### Installation and Commissioning

For new system installations, we ensure quick and efficient start up. Our experts will be at your site when you power up the system.

- Visual inspection of unit and installation
- Performance verification testing
- Operator training

### Spare Parts Supply

We never compromise on quality. Keeping true to our philosophy, we only use original spare parts. You can always be sure that your device will continue to meet all the required specifications — even after a repair

### Laboratory Relocation Service

We are providing a one-stop, hassle-free laboratory relocation service where we fully involved with the planning and the execution of the relocation of laboratory instruments

### Quality Assurance and Control

Gain peace of mind with the same benefits as the original warranty.

- All parts and labor covered
- Repairs performed by authorized factory trained technicians
- Only original OEM parts used
- No unexpected repair costs or no costs incurred to obtain service

### Trainings and Demonstrations

Instruments training by qualified and certified specialists accommodates your specific needs. We offer a comprehensive range of courses (classroom or on-site) that combine in-depth theory with hands-on coaching sessions.

- Achieve practical and theoretical knowledge of equipment
- Gain confidence needed to operate, maintain and troubleshoot equipment

### Preventive Maintenance

Extend the functional integrity of your system. Regular maintenance can also help to increase the lifespan and productivity of DKSH instruments.

- Performance verification testing based on the recommendation by the manufacturer
- Complete system and functionality testing
- Improve performance and extend component life

### Repair Service

A full range of repair services are available should the need arise. Our qualified and certified specialists provide timely and efficient servicing for your DKSH instruments and fast help whenever and wherever you need us.

- Our engineer of experienced service technicians can provide fast repair service
- Faster turnaround and reduced instrument downtime

**DKSH Singapore Pte. Ltd.**

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Website: [www.dksh.com/sglabsolutions](http://www.dksh.com/sglabsolutions)

Follow us on our social media pages for  
the latest cutting-edge technologies.

