

PRODUCT RANGE

HACH Company, USA.

A) LAB INSTRUMENTS -

- UV-Visible & Visible Spectrophotometer (Pre-Programmed for water quality)
- Complete Water - Analysis Packages and COD/TOC/BOD Analysis System
- Portable Microbiology Testing Labs, Digital Titrator, Karl Fischer Titrator & Automatic Titrator, Test Kits / Test Strips (Single Parameter / Multiparameter)
- Automatic Programmable Water and Waste Water Samplers (Sequential and Composite Refrigerated and non-refrigerated)

B) PROCESS/ONLINE INSTRUMENTS-

- On-line Analysers for : Ammonia, Aluminum, Alkalinity, Chlorine, Conductivity, Chlorine Dioxide, Dissolved Oxygen, Fluoride, Flow, Hardness, Hydrazine, Level, Monochloramine, Nitrate and Organics.
- On-line Analysers for : Ozone, Oxygen Scavengers, pH/ORP, Phosphate, Sludge Level Flow, Sludge Volume, Sodium, Suspended Solids, Silica, TOC, Turbidity, UV Absorbance etc.
- Open Channel and Closed Channel Flow Meters.

Skyray Instruments Co. Ltd., USA and China

- (AAS) Atomic Absorption Spectrometer Flame and Graphite Furnace System, (ICP) Inductively Coupled Plasma Spectrometer, (ICPMS) Inductively Coupled Plasma Mass Spectrometer, (GC) Gas Chromatograph (GCMS) Gas Chromatograph with Mass Spectrometer, (HPLC) High Performance Liquid Chromatograph, (LCMS) Liquid Chromatograph with Mass Spectrometer, (ICSA) Infrared Carbon Sulfur Analyser.

Jinan Hanon Instruments Co., Ltd., China

- TKN Analyser (Kjeldahl System), Automatic Polarimeters, Automatic Refractometers Fiber Analyzer, Automatic Titrator, UV Visible Spectrophotometers

Rigol Technologies Inc, China

- HPLC System & UV Visible Spectrophotometers etc

Lamy Rheology France

- Texture Analyser, Universal Rheometer, Touch Screen Viscometer etc

ECOM GMBH, Germany

- Flue Gas Analyser (CO, CO2, NO, NO2, SO2, O2, H2S, CH, H2 words Temp, Pressure, Soot, Efficiency, Dew Point) Temperature, Humidity, etc.

ECH Elektrochemie Halle GmbH, Germany

- H2S-Analyser, Online H2S, S - Online, Ammonia, Sn Layer, Bio Lumino, Gas Extractor, Portable Auto Titrator & KF Titrator etc

VELP, ITALY

- Turbidity, COD, BOD, Flocculator, Kjeldahl Digestion & Distillation Units, Nitrogen/Protein Analyser, Overhead Stirrers, Radiation Detector, Refrigerated Thermostats and Incubators, Solvent Extractors etc

Hunan Sundry Science And Technology Co. Ltd., China

- Bomb Calorimeter, CH/N/S Analyser, Infrared Sulfur Analyser, Proximate Analyser, Moisture Analyser, Muffle Furnace, Drying Oven, Ash Fusion Tester, Ash & Volatile Matter Tester, Hardgrove Grindability Index Tester, Jaw Crusher, Pulverizer, Divider etc.

Sineo Microwave Chemistry Technology Co. Ltd. (Shanghai), China

- Microwave Digestion System, Extraction & Synthesis system etc.

GenNEXT Brand Instruments

- Benchtop & Portable Multiparameter Water Quality Meter, Portable pH/ORP/Conductivity/ Ion/ DO Meter, Benchtop pH / ORP/ Conductivity/ Ion/ DO Meter, Turbidity Meter, Online pH/ ORP/ Cond/ DO etc analysers, DO/ Sludge Sampler etc.

ECIL Instruments

- AAS, Mobile Van, Elisa Reader/Elisa Plate Washer, Mercury Analyser, X Ray Baggage Inspection, Biometric Machine, Finger Print Machine, Alpha/Beta/Gama Counter, Survey Meter, Radiation Monitoring System etc.

Customer Segment & Users

- Govt. - Research Institutes and R & D Labs, University/ Engineering College, Pollution Control Boards, Water, Waste Water & Environment Labs-Govt. & Industries
- Turnkey Projects for Process & Lab Instruments - WTP, STP, ETP, CETP etc
- Provide Complete Lab setup with instruments, glassware, chemicals and furniture
- Public Health/ Municipal Labs - STP, WTP, Industrial lab & Process Analysis System



GenNEXT Lab Technologies Pvt. Ltd.
(Complete Water & Instrumentation Solution)
(An ISO 9001:2015 Certified MSME Company)

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www.gennextlab.com



GenNEXT Lab Technologies Pvt. Ltd.

(An ISO 9001:2015 Certified MSME Company)



Complete Water & Instrumentation Turnkey Solution Provider





COMPANY PROFILE

Introduction

GenNEXT Lab Technologies was established in 2002 and has now established itself as one of the leading company in the field of Complete Water, Analytical, Coal Instruments, Instrumentation & Turnkey Solution Provider. GenNEXT lab Technologies is a 16 years old company with a Team of more than 36 marketing & technical professionals who have expertise of more than 27 years. GenNEXT Lab Technologies has been serving the Educational Institutes, Municipal/PHED's, Research Institutes, Government Sector Organisations, Industrial sector (Chemical, Power, Pharma, Food & Beverages, Fertilizer, Oil & Gas etc) with user friendly & automated products in the field of Instrumentation. We provide complete solution for water and waste water analysis in Laboratory, Field and Process. Today GenNEXT Lab Technologies has a long list of more than 5000 satisfied users and customers in all sectors. This includes more than 100 Industrial or Institutional users in each sector. GenNEXT Lab Technologies is also now a leading Importer and Exporter. GenNEXT Lab Technologies has been AWARDED THE BEST DISTRIBUTOR & PERFORMER FOR HACH BUSINESS FOR THE YEAR 2007, 2010 & 2012.

Mission

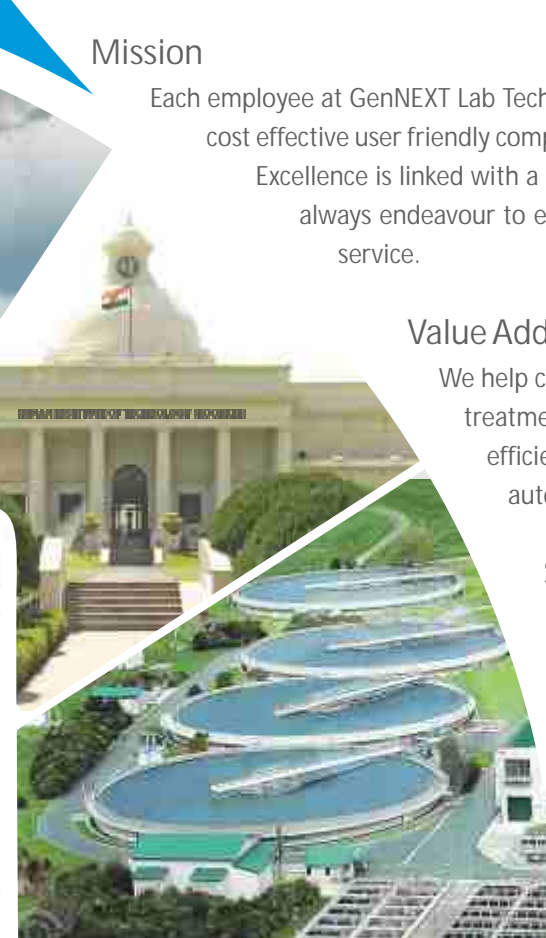
Each employee at GenNEXT Lab Technologies follows our mission statement to provide cost effective user friendly complete solution with quality systems. We believe that Excellence is linked with a total commitment to Quality & Service. And so we always endeavour to exceed customer expectation with prompt efficient service.

Value Addition

We help customers save input cost & energy charges, reduce treatment cost & maintenance, increase productivity & efficiency. These systems provide better result with automation.

Service Back Up

GenNEXT Lab Technologies is backed by a team of hard core professionals and engineers who have got more than 25 years experience and exposure on the entire product range for rendering quality application and service support. We provide efficient & prompt after sales service, warranty, AMC and spares. Team are specially trained by manufacturer's.



LABORATORY INSTRUMENTS

A) Analytical Instruments



AUTOMATIC KJELDAHL ANALYZER

- Automatic distillation, Titration, Printing, Drain and Cleaning Function.
- Large LCD Touch Screen Display
- USB or RS485 Interface for PC Connection.
- Compatible with SH220F & SH420F Digester for 20 samples / batch
- Measuring Range: 0.1 mg N to 200 mg N



AUTOMATIC DIGITAL POLARIMETER

- Large color screen display
- Data Storage:1000 points
- Automatic Calibration & temperature control system
- Ultra long life light source
- Measuring range: $\pm 89.99^\circ$ Arc
- Wavelength:589.3 nm



AUTOMATIC REFRACTOMETER

- High resolution CCD detectors
- Data Storage:1000 points
- Ultra long life light source
- Auto temperature control system
- Large color screen display.
- Perfect measuring prism
- Multiple data output interface
- Measuring range: 1.3000 to 1.7000 (nD)



BENCHTOP EDX XRF SPECTROMETER

- Measurable element-Na to U
- Range of element content : 1PPM-99.99%
- Forms of sample : Powder, Solid and Liquid
- Measurement time: 60s to 50kv
- Tube voltage: 5kv-50kv Used for rapid and Accurate element analysis in wide application field like, cements and steels etc.



AAS INTEGRATED FLAME & GRAPHITE FURNACE/HYDRIDE SYSTEM

- Flame measurement-full reflection, corrected aberration
- 8 lamp motorised turret, shortened lamp switching time
- Temp range : Ambient to 3000° C
- Universal auto sampler for flame, furnace & Hydride system



PORTABLE ROTATION VISCOMETER

- Portable touch screen data logging
- Range: 0.05 to 30 mmm
- Temp: -50° c to 300° c
- Viscosity Range: 3- 180,000,000 mPas



UNIVERSAL RHEOMETER WITH CARRYING CASE

- Portable touch screen data logging
- Type of Instruments Rotating Rheometer
- Torque Range: 0.05 to 40 mNm
- Temperature -50° c to 300° c
- Viscosity Range: 1-540,000,000 mPas



TEXTURE ANALYZER WITH TOUCH SCREEN

- Choice of Sensors 20 N to 500 N
- Accuracy: +/-0.05% of Full Scale
- Speed Range: 0.1 to 10 mn/s
- Temp: -20 to 120° c, 240 VAC



MICROWAVE SYNTHESIS SYSTEM

- Microwave power: 0 to 1000 w
- Type of heating : Microwave heating, ultrasonic and ultraviolet heating
- Ultrasonic working frequency : 26 to 28 KHz and power regulation up to 800 w
- Reaction container volume up to 1000 ml.



LC-MS 1000 LIQUID CHROMATOGRAPH MASS SPECTROMETER

- Quick scan speed (masimum 10000amu.s, bar chart)
- Wide scan range (10-1100amu)
- Provide positive and negative mode switch
- High detection sensitivity (10 pgreserpine, S/N>50:1
- High software integration (LC high pressure pump, auto sampler thermostat, UV detector, mass spectrum control and data process integrated in the software

Municipal Segment CLIENTS



Research Segment CLIENTS



B) Water & Air Instruments



ECOM J2KN PRO FLUE GAS ANALYZER

- Electronic thermoregulation system, CFC Free GLP
- High efficacy refrigerated instruments.
- Temp -3 to 50° C
- Internal temperature stability + 0.5 ° c
- Wireless data box-data capture avoids



ECOM CL-D FLUE GAS ANALYZER

- Compact & Flexible
- Up to 4 Gas Sensor
- Graphic Backlit Display
- Wireless Bluetooth & Wi-Fi Data Transfer Module
- Measured Value: O2, CO, Gas Temp, Air Temp, Pressure



BOD INCUBATOR

- Electronic thermoregulation system, CFC Free GLP
- High efficacy refrigerated instruments. Temp -3 to 50° C
- Internal temperature stability + 0.5 ° c
- Wireless data box-data capture avoids (8, 12, 20, 24 & 40 blocks available)
- Automatic Distillation & Titration System



GAS CHROMATOGRAPH

- Temperature Range: 7°C to 400°C
- Atemperature Ramp: 0.1°C to 40°C
- Sensitivity: $M \leq 1 \times 10 \text{ g/s}$
- Noise: $\leq 5 \times 10 \text{ A}$
- Linear Dynamic Range: > 10



VELP JLT4 FLOCCULATOR

- Multiple Sharing With Reproducibility & Reliable reading
- Electronic Speed Control from 10 to 300 rpm
- Speed setting interval 10 to 300 rpm
- Time Setting up to 999 min/99 hrs



MICROWAVE DIGESTION/ EXTRACTION SYSTEM

- 6, 8, 15, 18, 40 & 70 Digestion vessels available
- Automatic air cooling inside chamber Natural cooling outside chamber
- Application- food, Soil, Metal, alloy plastic, geology, biology, Cosmetic, Mineral, ceramic, waste water, sludge.



DR 6000 UV-VISIBLE SPECTROPHOTOMETER

- More than 250 pre-programmed water analyses methods are stored
- 200 Possible user entered calibrations
- Large coloured touch screen display
- Data Logging & Multiple cell capability
- Bar code reading capability with automatic method detection



DRB200 COD/ TOC REACTOR

- Programmable Temperature Range: 37 to 165 C
- Pre programmed for COD & TOC Digestion
- Timer Range : 0 to 480 min
- 11, 15, 25 & 30 vials options available
- 13mm, 16mm & 20mm vial size options
- Dual heating blocks available on, USB, Auto Samples



BOD ANALYSIS- BOD EVO SENSOR

- Compact, mercury free
- Range: 0-90, 250, 600, 999 PPM
- Wireless data transmission reality directly on pc



HPLC SYSTEM

- Isocratic / Binary / Quaternary system. Pressure range up to 8000 psi
- Detection limit $5 \times 10^9 \text{ g/ml}$
- UV-VIS Detector
- Photo Dioxide Array Detector
- Light Scattering Detector
- Refractive Index Detector
- Auto Sample
- Degassing system
- Flow rate Range .001ml/min-10000ml/min

C) Coal Instruments



AUTOMATIC ISOPERIBOL BOMB CALORIMETER

- Analysis Time < 8 min.
- Multi point isothermal Technology with helix tube
- As per ASTM D5865, ISO 1928, GB/T213 - 2018
- Built in power Inverter to purifies & stabilize the Power supply
- Automatic identification of Bomb
- Self diagnostic function
- Max Test Range < 42000J



PROXIMATE ANALYZER (TGA) FOR MOISTURE/ASH/VOLATILE MATTER

- Furnace temperature up to 1000°C
- Auto sampler / Hand
- Test the sample without waiting for cooling.
- With 2 furnace & 2 balance
- As Per ASTM-D5142-2009
- 2 Furnace & 2 Balance



C / H / N ANALYSER (ELEMENTAL ANALYSIS)

- The only type of Elemental analyzers with auto combustion crucible replacing device
- 10 Patents & 7 invention patents included
- Infrared Absorption Method for 'C' & 'H'
- Thermal Conductivity Detection Method for 'N'
- Measuring range C : 0.02% - 100%; H : 0.02% - 50%; N : 0.01% - 50%
- Autoloader 34 Samples, automatic sample introduction & test
- Analysis time 5 min / sample



SULFUR ANALYZER

- Analysis method infra red observation
- Measuring range 0.01%-50% (extendable to 100%)
- ASTM Dh239-10
- Analyzer time < 110 S/Sample
- 12 auto Loader



JAW CRUSHER

- feeding, high productivity, low noise
- 50mm & 100 mm size; 6-13 & 6-38
- made of high chromium or high e steel
- With unique silencer noise below 85 dB



ASH FUSION TESTER

- Conformance with slandered as per ASTM D185F
- Max Temperature 160°C
- Max Sample 9
- Resolution 1°C
- Image Photographed and observed through a share note
- Automatic Sample Introducing Machanism
- Furnace temp up to 1600° c



Train Sampler

AUTOMATIC COAL SAMPLER

- Automatic control of entire sampling process (including sampling, iron removal, pulverizing and dividing, sample package, waste recycle) by "computer +PLC" system. No human interference. Fairness can be ensured.
- Cylinder type sampling head, insert-shake sampling method with small resistance; capable of cut, crush, drill and continuous work, no blocking, no loss of moisture



Wagon Samp

- With image recognition technology and automatic positioning system, sampling point and depth can be selected automatically and randomly. Point sampling or full section sampling are available.
- Manual, semi-auto, fully automatic control mode are available. Manual control mode for commissioning and maintenance; semi-automatic control mode for random inspection, automatic control mode for routine operation.



GENIUS XRF SPECTROMETER

- Small Power X-Ray tube perfect performance as Desktop
- Testing object-Solid, Liquid and Powder
- Video system : HD camera
- Simple deviation calibration
- Rapid and non destructive system



PULVERIZER

- Easy pressing, placing of mortar, fast pulverizing speed
- Feed Size: 13 mm
- Discharge size: 0.2
- High grinding efficiency
- Long service life of motor
- Safety: Auto power off when the cover open

Industrial Segment
CLIENTS



Institutional Segment
CLIENTS



ECIL INSTRUMENTS



AAS

- Double Beam Optics, automatic wave length, lamp current, PMT gain adjustment, data handling and storage of results through a PC.
- Automatic motorized turret for operation with 4/8 lamps
- Optional VGA System, Graphite furnace & Auto sampler,
- Wave length 185 to 930nm
- Resolution <0.2nm



MOBILE VAN

- A Mobile Laboratory equipped with Spectrophotometer, Electronic balance, pH/Conductivity Meter, Rotary Shaker & Air conditioner etc.
- Van height 1.75 M/ Area 2.5 x 5.0 Sq M



MERCURY ANALYSER

- Determination of Mercury level at nano gram level.
- 20 Cm absorption cell with quartz windows.
- High sensitive silicon photo detector
- Peak hold facility.
- Ideal for mercury pollution studies.
- Range : 20-200ng



ELISA READER/ELISA PLATE WASHER

- LCD display,
- Automated micro plate positioning facility
- Diagnostics in HIV, Hepatitis, HBsAg etc in Human, Animal and plant diseases.
- Wave length : 370 - 850nm
- Storage capacity - 100 programs



ECIL BAGGAGE SCANNER

- ECAC Standard 3 EDS Approved Designed to meet TSA and automated explosive detection
- Superior, 3-D imaging of scanned items
- Throughput of 1500 to 1800 bags per hour
- Penetration 30mm steel
- Resolution 42 SWG wire

GenNEXT BRAND INSTRUMENTS



BENCHTOP MULTIPARAMETER WATER QUALITY METER

- LCD display, USB, Memory 500 sets, ATC.
- Built in real time clock, GLP
- pH Range: -2.000 - 20.000pH
- Ion Range: 0.001 - 19999ppm,
- Conductivity Range: 0 - 200 mS/cm,
- (Cell constant : 0.1,01,10)
- DO Range: 0.00 - 20.00mg/L (or ppm)
- (0-200% oxygen)
- TDS Range : 0 - 10 ppt
- Temperature : 0-105 °C



PORTABLE pH/CONDUCTIVITY/ METER

- LCD Display, USB, Memory 50 Sets, ATC.
- Conductivity Range: 0 - 200mS/cm (Cell constant (0.1/1/10),
- pH Range : 2- 20 pH
- TDS Range: 0 - 10ppt
- Temp Range : 0 - 100 °C
- Includes – Meter, Electrode, Std. Soln., Battery, Carrying case.



BENCHTOP PH/ CONDUCTIVITY/ DISSOLVED OXYGEN METER

- LCD Display, USB, Memory 50 Sets, ATC.
- Conductivity Range: 0 - 200mS/cm (Cell constant (0.1/1/10),
- pH Range : 2- 20 pH
- TDS Range: 0 - 10ppt
- Temp Range : 0 - 100 °C
- Includes – Meter, Electrode, Std. Soln., Battery, Carrying case.



PORTABLE TURBIDITY METER

- Range: 0-1100 NTU/FNU,
- Resolution : 0.01/0.1/1.0
- Memory : 100 Sets
- Output : USB, LCD Display
- Includes – Meter, Vials, Cal. Std., Battery & Carrying Case



ONLINE PH / CONDUCTIVITY/ DISSOLVED OXYGEN CONTROLLER

- Controller with Sensor,
- 1-3 Calibration, ATC, Low & High Alarm
- 4-20mA, RS485
- pH Range: 0 - 15.00pH
- Conductivity Range : 0 - 200 mS/cm (Cell constant – 0.1,01,10)
- DO Range : 0 - 20 ppm
- TDS Range : 0 - 10 ppt
- MV : ±1000mv

PROCESS INSTRUMENTS



ONLINE FAMILY OF DIGITAL SENSORS

- Digital sensors for Ammonia, Turbidity, LDO, TSS, BOD/ COD, Nitrate, pH conductivity, Sludge, Chlorine etc.
- Various options available as per range and specs



SC200 AND SC1000 UNIVERSAL CONTROLLERS

- Universal Display and Controllers
- SC 200 - Single & Dual input
- SC 1000 - 2,4,6,8 input options
- Touch screen Graphic display, Relays, alarms, memory, PID control Power- 24 vdc & 240 volts
- GSM wireless, GPRS option & communication mode available



CI17 FREE RESIDUAL CHLORINE ANALYSER

- Uses Colorimetric DPD chemistry to monitor water continuously for free or total residual chlorine as per USEPA.
- This analysis method is not effected by changes in sample pH, temperature, chlorine concentration (within the measurement range), pressure or flow, thus offering more accuracy than other methods.
- Range 0 to 5 ppm with 35 ppb detection



ULTRASONIC LEVEL METERS-SERIES LU

- Length: Mod. LU91/LU921 0,3 m ... 6 m for liquids, 0,3 m ... 3,5 m for solids, Mod. LU93/LU923 0,45 m ... 12 m for liquids, 0,45 m ... 7 m for solids
- Accuracy: +2 mm (entre 0,3 ... 2 m)
- Materials: PP, PVDF



ULTRASONIC FLOW METERS (CLAMP ON / PIPE)-SERIES CU

- Flow speed range: 0,2 ... 12 m/s
- Accuracy: +/-1,5%
- Diameters: DN80 ... DN2000
- Transducers ingress protection: IP65
- Converter ingress protection: IP65
- Liquid temperature range: 0 ... +80°C
- Power supply: 90 ... 265 VAC 50 / 60 Hz
- Power consumption: < 5 VA



ONLINE TURBIDITY ANALYSER

- Turbidity range 0.001 to 100 NTU with resolution of 0.001 NTU
- Datalogging, three set point alarms and 4-20mA option available. Comes with SC 200 controller
- Sample flows through patented bubble removal system
- Auto ranging for high resolution of 0.0001 NTU upto 10 NTU



ON LINE LDO ANALYSER

- DO Range: 0 to 20 ppm
- No calibration for one year, rugged probe, membrane less etc
- Reduced cleaning frequency and simple maintenance. No electrolyte solutions & no membrane required
- Ideal for STP with VFD compatibility
- Datalogging, RS 232 and 4-20mA output



ONLINE MONITORING SOLUTION

- Aluminium
- Colour
- Sludge density
- Chloride
- Cyanide
- Iron
- Manganese
- Nickel
- Zinc ,etc

TURNKEY LAB & PROCESS ANALYSER SET UP (POWER PLANT, WTP, STP & CETP)

