



Product Catalogue

كتالوج المنتجات

34 product lines · 239 models · 33 manufacturers

Laboratory equipment and medical devices, supplied, installed and serviced in Egypt since 1990.

010 0529 9601 (phone and WhatsApp)

41 Al-Forsan Buildings, Ring Road, Al-Hadaba Al-Wosta, Al-Mokattam, Cairo

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Sample Preparation

تحضير العينات

HANIL SCIENTIFIC · KOREA

Centrifuges and DNA concentrators

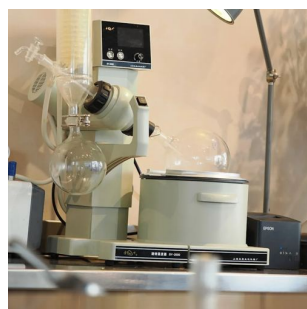
أجهزة طرد مركزي ومركّزات DNA

Benchtop, floor-standing and micro centrifuges with fixed-angle and swing-out rotors, plus vacuum concentrators for DNA, RNA and solvent samples.

أجهزة طرد مركزي مكتبية وأرضية ومايكرو بروتورات ثابتة الزاوية ومتأرجحة، ومعها مركّزات تفريغ لعينات DNA و RNA والمذيبات.

MODEL	KEY SPECIFICATIONS
 T05R Refrigerated Benchtop Centrifuge	Max. RPM: 5,000 rpm Max. RCF (Fixed angle / Swing-out): 3,983 x g / 4,218 x g Max. Capacity (Fixed angle / Swing-out): 10 x 50 mL / 100 mL x 4 Temp range(°C): -10°C ~ 40°C
 M13 Micro Centrifuge	Max. RPM: 13,500 rpm Max. RCF: 12,032 xg Max. capacity: 12 x 1.5/2.0 mL, 4 PCR strips Time control: ≤15 min, pulse
 M15S Micro Centrifuge	Max. RPM: 15,000 rpm Max. RCF: 21,206 xg Max. capacity: 24 x 1.5/2.0 mL, ACC/DEC ramps: 9/10 steps
 T04 Benchtop Centrifuge	Max. RPM: 4,000 rpm Max. RCF: 2,075 x g Capacity: 12 x 10mL / 6 x 15mL ACC Time to Max Speed: 20sec
 M15R Refrigerated Micro Centrifuge	Max. RPM: 15,000 rpm Max. RCF: 21,583 xg Max. capacity: 10 x 5.0 mL, 24 x 1.5/2.0 mL, 4 PCR strips ACC/DEC ramps: 9/10 steps
 T04B Benchtop Centrifuge	Max. RPM / Fixed angle: 4,000 rpm Max. RCF / Fixed angle: 2,773 x g Max. RPM / Swing-out: 4,000 rpm Max. RCF / Swing-out: 2,774 x g
 mini 6 Micro Centrifuge	Max. RPM: 6,500 rpm Max. RCF: 2,234 x g (1.5/2.0 mL Tube) / 1,412 x g (PCR Strip) Capacity: >6 x 1.5/2.0 mL, 2 x (8-Tube or PCR Strip) ACC Time to Max Speed: 4 sec
 S12R High-Speed Refrigerated Centrifuge	Max. RPM: 12,000 rpm Max. RCF: 22,265 xg Max. capacity: 6 x 1,000 mL ACC/DEC ramps: 10/11 steps
 Ultra 5.0 Floor-Standing Centrifuge	Max. RPM: 50,000 rpm Max. RCF: 254,340 xg Max. capacity: 6 x 250 mL ACC/DEC ramps: 10/10 steps
 Supra R30 High-Speed Centrifuge	Max. RPM: 31,000 rpm Max. RCF: 106,258 xg Max. capacity: 4 x 1,000 mL ACC/DEC ramps: 10/10 steps

MODEL		KEY SPECIFICATIONS
	S22R High-Speed Refrigerated Centrifuge	Max. RPM: 22,000 rpm Max. RCF: 52,001 xg Max. capacity: 4 x 1,000 mL ACC/DEC ramps: 10/11 steps
	Component R6 Blood Bank Centrifuge	Max. RPM: 5,000 rpm >Max. RCF: 7,261 xg Max. capacity: 6 x 1000 mL ACC/DEC ramps: 10/10 steps



H.S SCIENTIFIC · KOREA

Rotary evaporators

أجهزة تبخير دوار

Rotary evaporators for gentle solvent removal and concentration, from compact bench units to larger-flask systems.

أجهزة تبخير دوار لإزالة المذيبات وتركيز العينات بهدوء، من الوحدات المكتبية الصغيرة لحد الأنظمة ذات الدوايق الكبيرة.

Full model range and specifications available on request.

INFITEK · CHINA

Ultrasonic baths

أحواض موجات فوق صوتية

Digital ultrasonic cleaners for glassware, instruments and sample degassing, with heating, timers and a range of tank sizes.

أحواض تنظيف بالموجات فوق الصوتية للزجاجيات والأدوات وإزالة الغازات من العينات، بتسخين ومؤقت وأحجام خزانات مختلفة.

CE

MODEL		KEY SPECIFICATIONS
	Ultrasonic Cleaner, LCD, USC-DII Series	Capacity: 10L, 15L, 22.5L Ultrasound frequency(KHz): 40 Temperature adjustable(□): Room temperature-80
	Multifunctional Ultrasonic Cleaner, USC-M Series	Capacity: 1.3L- 45L Ultrasonic Freq□40KHz Large LCD display
	Ultrasonic Cleaner, USC-DP Series	Capacity: 3L, 4L, 6L, 10L, 15L, 22.5L, 30L Frequency: 40kHz Temperature Control: RT.-80□
	Industrial Ultrasonic Cleaner, USC2840-I Series	Capacity: 23L – 250L Ultrasonic Freq□28 or 40KHz Support customization
	Portable Ultrasonic Cleaner, USC-9600	Ultrasonic frequency: 50,000 Hz Working end material: Aluminum alloy Capacity: 600 ml-3000ML (1 pint) Time control: 5 minutes

MODEL	KEY SPECIFICATIONS
 Ultrasonic Cleaner for Glasses, USC-1500E	Capacity: 400ml Frequency: 40KHz Ultrasonic power: 30W (max) Time control: 5 minutes

SONICS · USA

Ultrasonic processors

أجهزة معالجة بالموجات فوق الصوتية

Probe-type ultrasonic processors for cell disruption, homogenisation, emulsification and nanoparticle dispersion, from 50 W to 2500 W.

أجهزة معالجة بالموجات فوق الصوتية بالمجس لتكسير الخلايا والتجانس والاستحلاب وتشتيت الجسيمات النانوية، من 50 وات لحد 2500 وات.

MODEL	KEY SPECIFICATIONS
 VCX-130-110	Dimensions: H x W x D: 4.5 x 9.75 x 12.5" (115 x 250 x 320mm) Converter Cable: Permanently attached – Length 5 ft. (1.5m) Tool Kit: Part #888-00026 open end wrench (2 included) Standard Probe: Part #630-0435
 VCX-750CCE-110	Dimensions: H x W x D: 9.25 x 7.5 x 13.5" (235 x 190 x 340mm) Converter Cable: Part #201-0300 – Length 6 ft. (1.8m) Tool Kit: Part #381-0005 Includes: 2 spanner wrenches and 1 open-end wrench
 VCX-1500-220	Dimensions: H x W x D: 7 x 15 x 18.25" (178 x 380 x 464mm) Booster (2: 1) Part #BHN294T21 Tool Kit: Part #888-00054 spanner wrench (2 included) Standard Probe: Part #630-0697
 VCX-750-110	Dimensions: H x W x D: 9.25 x 7.5 x 13.5" (235 x 190 x 340mm) Converter Cable: Part #201-0300 – Length 6 ft. (1.8m) Tool Kit: Part #381-0005 Includes: 2 spanner wrenches and 1 open-end wrench
 VC-50-110	Dimensions: H x W x D: 8 x 8 x 5" (203 x 203 x 127mm) Converter Cable: Permanently attached – Length 5 ft. (1.5m) Tool Kit Part: #888-00026 open end wrench (2 included) Standard Probe: Part #630-0422
 VCX-2500-220	Dimensions: H x W x D: 9 x 17.5 x 28" (240 x 445 x 711mm) Booster (2: 1) Part #BHN294T21 Tool Kit: Part #888-00054 spanner wrench (2 included) Standard Probe: Part #630-0702
 VCX-500-110	Dimensions: H x W x D: 9.25 x 7.5 x 13.5" (235 x 190 x 340mm) Converter Cable: Part #201-0300 – Length 6 ft. (1.8m) Tool Kit: Part #381-0005 Includes: 2 spanner wrenches and 1 open-end wrench
 VCX-2000-220	Dimensions: H x W x D: 7 x 15 x 18.25" (178 x 380 x 464mm) Booster (2: 1) Part #BHN294T21 Tool Kit: Part #888-00054 spanner wrench (2 included) Standard Probe: Part #630-0777
 VCX-1500HV-220	Dimensions: H x W x D: 7 x 15 x 18.25" (178 x 380 x 464mm) Booster (2: 1) Part #BHN294T21 Tool Kit: Part #888-00054 spanner wrench (2 included)
 VCX-500CCE-110	Dimensions: H x W x D: 9.25 x 7.5 x 13.5" (235 x 190 x 340mm) Converter Cable: Part #201-0300 – Length 6 ft. (1.8m) Tool Kit: Part #381-0005 Includes: 2 spanner wrenches and 1 open-end wrench

MODEL	KEY SPECIFICATIONS
 VCX-2000FP-220	Dimensions: H x W x D: 7 x 15 x 18.25" (178 x 380 x 464mm) Booster (2: 1) Part #BHN294T21 Tool Kit: Part #888-00054 spanner wrench (2 included)



FINETECH · KOREA

Heating mantles

أوعية تسخين (مانتل)

Heating mantles for round-bottom flasks from 500 mL to 2 L.

أوعية تسخين للدوارق المستديرة من 500 مل لحد 2 لتر.

Full model range and specifications available on request.



INFITEK · CHINA

Water baths

أحواض مائية

Thermostatic, circulating and shaking water baths for sample incubation and warming.

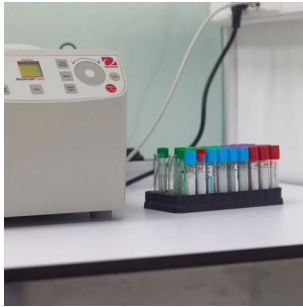
أحواض مائية ثابتة الحرارة ودوارة ورجاجة لتحضين العينات وتدفئتها.

MODEL	KEY SPECIFICATIONS
 Water Bath WB-M Series	Volume: 20L, 30L, 40L, 45L, 50L, 80L, 100L, 150L, 250L Temperature Range: RT.-100□ Temperature Fluctuation: ±5□, ±1□
 Water Bath WB-S Series	1-2 rows, 1-12 holes Volume: 3.3 L – 35.4 L Range: RT+5.-99.9□
 Floatation Workstation TSBW-TK (Water Bath and Slide Dryer)	Model: TSBW-TK Temperature Control Range of Floating Sl: RT.~70□ Temperature Control Range of Baking Slid: RT.~99□ Dimensions of Water Bath Dish: 210*170*55mm
 Water Bath WB-M600	Model: WB-M600 Temperature Range: RT.+5 □-100 □(digital control) Time Range: 0– 999 minutes Temperature Fluctuation: ≤±0.1□
 Water Bath WB-M6A	Model: WB-M6A Classification Specification: 2 row & 6 holes Magnetic Stirrer: 0-2000rpm Temperature Range: RT.~100□
 Thermostatic Water Bath, 2 Tanks WB-1R2H-4R	Temp. setting range: 0°C ~ 100°C Temp. control range: RT.+5°C ~ 100°C Timing range: 1min~99h59min/∞ Temp. accuracy: ≤±0.3°C @37°C
 Shaking Water Bath WB-S300A	Model: WB-S300A Temperature Control Range: RT.~100□ (accuracy ≤±1□; LED digital display) Speed: 60-280rpm Oscillation Mode: Rotary

MODEL	KEY SPECIFICATIONS
 Thermostatic Water Bath, 3 Tanks WB-1R3H-6R	Temp. setting range: 0°C ~ 100°C Temp. control range: RT.+5°C ~ 100°C Timing range: 1min~99h59min/∞ Temp. accuracy: $\leq \pm 0.3^{\circ}\text{C}$ @37°C
 Thermostatic Water Bath WB-1R2H-2R	Temp. setting range: 0°C ~ 100°C Temp. control range: RT.+5°C ~ 100°C Timing range: 1min~99h59min/∞ Temp. accuracy: $\leq \pm 0.3^{\circ}\text{C}$ @37°C
 Thermostatic Water Bath WB-1R1H-5R	Temp. setting range: 0°C~100°C Temp. control range: RT.+5°C~100°C Timing range: 1min~99h59min/∞ Temp. accuracy: $\leq \pm 0.3^{\circ}\text{C}$ @37°C

Analytical and QC

التحليل وضبط الجودة



SINEO MICROWAVE CHEMISTRY · CHINA

Microwave digestion systems

أنظمة هضم بالميكروويف

Closed-vessel microwave digestion and extraction workstations that prepare samples for ICP, ICP-MS and AAS analysis.

محطات هضم واستخلاص بالميكروويف في أوعية مغلقة لتحضير العينات لتحليل ICP و ICP-MS و AAS.

MODEL	KEY SPECIFICATIONS
 TANK Microwave Digestion Workstation	Specification on request
 TANK 40 Microwave Digestion Workstation	Specification on request
 TANK eco Microwave Digestion Workstation	Specification on request



METASH · CHINA

Spectrophotometers and TOC analyzers

أجهزة أطيايف ومحللات TOC

UV-Vis spectrophotometers and total organic carbon (TOC) analyzers for water, pharmaceutical and teaching laboratories.

أجهزة أطيايف UV-Vis ومحللات الكربون العضوي الكلي (TOC) لمعامل المياه والأدوية والتعليم.

Full model range and specifications available on request.

MICRODIGITAL · KOREA

Microvolume spectrophotometers

أجهزة أطيايف لأحجام دقيقة

Microvolume and cuvette UV-Vis spectrophotometers, microplate readers and luminometers for nucleic acid and protein work.

أجهزة أطيايف UV-Vis لأحجام دقيقة وكوفيت، وقارئات ميكروبلت ولومينوميتر لشغل الأحماض النووية والبروتينات.



MODEL	KEY SPECIFICATIONS
 nPRO Microvolume and Cuvette Spectrophotometer	Android-based Intuitive GUI: A modern Android interface designed for fast, simple and use Automatic Door Detection: Intelligent door sensing enhances usability and streamlines Smart Xenon Lamp Auto-Control: Automatically optimizes light intensity for stable, accurate Precise Cuvette Temperature Control: Precise and stable cuvette incubation with preheating for te
 Nabi UV/Vis Nano Spectrophotometer	Concentration Maximum dsDNA: Pedestal : 27,500ng/□ / BSA (IgG) : Pedestal : 550□/□ Maximu Detection Limit dsDNA: Pedestal : 2.0ng/□ Cuvette: 0.2ng/□ BSA: Pedestal : 0.04□/□ dsDNA : Pedestal : 2.0ng/□
 Mobi Microplate Spectrophotometer	- Monochromator with selectable wavelengths in 1 nm increments from 200 nm to 999 nm - Compatible with microplates ranging from 6 to 384 wells - Supports End-point, Kinetic, Spectral Scanning, and Well-Area Scanning measurements
 Ubi-600 UV/Vis Standalone Spectrophotometer	Photometric System: Single beam Photometric Range: 0-200%T, -3.0-3.0A, 0-9999C Spectral Bandwidth: 1.8□ Wavelength Range: 190 - 1,100□
 Ubi-490 UV/Vis Spectrophotometer	Photometric System: Single beam Wavelength Range: 190-1100□ Bandwith: 2□ Wavelength Accuracy: ±0.5□
 Ubi-800 UV/Vis Double Beam Spectrophotometer	Photometric System: Double beam · Double beam Wavelength Range: 190-1100□ · 190-1100□ The Spectral Bandwidth: 1.8□ · 1.0□ Wavelength Accuracy: ±0.1□(D2 656.1□), ±0.3□ full range · ±0.1□(D2 656.1□), ±0.3□
 Lubi Plus Microplate Luminometer	Linear Dynamic Range: Up to 6-log of dynmic range Detector: Photomultiplier Tube (PMT) Wavelength Range: 230□ - 700□ Wavelength Peak: 400□
 Lumi Single Tube Luminometer	Limit of Detection: 1.0 x 10 ⁻¹⁵ moles of ATP Dynamic Range: Up to 7-log Detector: Up to 7-log Detector: Photomultiplier Tube (PMT)

CORRTEST · CHINA

Potentiostats

أجهزة قياس جهد كهروكيميائي

Potentiostats and galvanostats with impedance (EIS), multichannel and portable units, and electrochemical cells for corrosion, battery and sensor research.

أجهزة بوتنشيوستات وجلفانوستات بقياس المعاوقة (EIS)، متعددة القنوات ومحمولة، وخلايا كهروكيميائية لأبحاث التآكل والبطاريات والحساسات.

MODEL	KEY SPECIFICATIONS
 Single-Channel Potentiostat / Galvanostat	Specification on request
CS350M Potentiostat / Galvanostat with EIS	Specification on request
 CS1350Pro Potentiostat / Galvanostat / EIS (±5 A)	Specification on request

MODEL	KEY SPECIFICATIONS
 CS310M Potentiostat / Galvanostat with EIS	Specification on request
 CS350Pro Potentiostat / Galvanostat / EIS (5 MHz)	Specification on request
 CS300M Potentiostat / Galvanostat (without EIS)	Specification on request
 CS100ME Portable Potentiostat / Galvanostat / EIS	Specification on request
 CS2350M Bipotentiostat (2-channel, with EIS)	Specification on request
 CS9331 Photoelectrochemical Cell with Window	Specification on request
 CS932S Electrochemical H-Cell	Specification on request
 CS2150M Bipotentiostat (2-channel, without EIS)	Specification on request
 CS9330 Spectroelectrochemical Cuvette Cell	Specification on request

IUL · SPAIN

Air samplers

أجهزة أخذ عينات هواء

Microbiological air samplers for monitoring airborne contamination in clean rooms, pharmaceutical production and food plants.

أجهزة أخذ عينات هواء ميكروبيولوجية لمراقبة التلوث الهوائي في الغرف النظيفة ومصانع الأدوية والأغذية.



MODEL	KEY SPECIFICATIONS
 Spin Air Air Sampler	Air flow: 100 L/m (90 mm plate) – 60 L/m (Rodac plate). – Controlled b Air Total Volume: 10–9900 L Delay to Start: 60 minutes, divided in seconds Rotation Speed: 0, 1, 2, 3 and 4 rpm

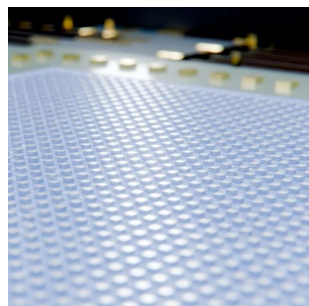
CLEAVER SCIENTIFIC · UK

Electrophoresis systems

أنظمة فصل كهربائي

Horizontal and vertical gel electrophoresis systems, blotters and programmable power supplies for DNA and protein separation.

أنظمة فصل كهربائي أفقية ورأسية، وأجهزة blotting ومصادر طاقة قابلة للبرمجة لفصل DNA والبروتينات.



MODEL	KEY SPECIFICATIONS
PowerPRO 300 Power Supply (300 V, 700 mA, 150 W)	Unit Dimensions (cm): 21.5 x 33.5 x 10.4 Weight (Kg): 2.1 Construction: Flame retardant ABS faceplate Timer: 1~999 mins
miniBLOT Mini Vertical Blotter	Transfer Size :: 110 x 90mm Quantity: 1-2 Piece(s) Dimension: 180 x 130 x 160mm (L x W x H)
multiSUB Mini Horizontal Electrophoresis System	Available with 7 x 7cm, 7 x 10cm or with both gel trays Economic low gel and buffer volumes Small lab bench footprint
PowerPRO 3AMP Power Supply (300 V, 3000 mA, 300 W)	Unit Dimensions (cm): 21.5 x 33.5 x 10.4 Weight (Kg): 2.1 Construction: Flame retardant ABS faceplate Timer: 1~999 mins
 Touch Screen PowerPRO (300 V, 3000 mA, 300 W)	Input Voltage 100-240V: 47-60Hz, 410W
multiSUB Midi Horizontal Electrophoresis System	Available with 10 x 7cm, 10 x 10cm or with both gel trays Run up to 100 samples Low buffer volumes
 Touch Screen PowerPRO (500 V, 800 mA, 300 W)	Input Voltage 100-240V: 47-60Hz, 400W
PowerPRO 500 Power Supply (500 V, 800 mA, 300 W)	Unit Dimensions (cm): 21.5 x 33.5 x 10.4 Weight (Kg): 2.1 Construction: Flame retardant ABS faceplate Timer: 1~999 mins
Touch Screen PowerPRO (300 V, 700 mA, 150 W)	Perfect for routine electrophoresis applications. 300V, 700mA, 150W touch screen power supply. 4.3-inch full-color touchscreen.
nanoPAC-300P Power Supply (300 V, 400 mA, 60 W)	Maximum Voltage (V): 300 Maximum Current (mA): 400 Maximum Power (W): 60 Number of Output Pairs: 2
nanoPAC-500 Power Supply (500 V, 400 mA, 120 W)	Maximum Voltage (V): 500 Maximum Current (mA): 400 Maximum Power (W): 120 Number of Output Pairs: 2
multiSUB Choice Wide Midi Electrophoresis System	Three tray options Run up to 210 samples Low buffer volumes

Core Infrastructure

البنية الأساسية للمعمل



ADRONA · LATVIA

Water purification systems

أنظمة تنقية المياه

Laboratory water purification systems producing RO, deionised and ultrapure water.

أنظمة تنقية مياه للمعامل تنتج مياه RO ومياه منزوعة الأيونات ومياه فائقة النقاء.

MODEL	KEY SPECIFICATIONS
 Compact RO / Pure / EDI Pure	Part number: Apraksts · Comments 10320: Nomainas priekšfiltrs 10312: Nomainas dejonizācijas modulis · Tikai Compact Pure 10017: Sterilizācijas UV spuldze · Sistēmām ar papildaprīkojumu kat
 Compact (UP)	Part number: Apraksts · Comments 10320: Priekšfiltrs 10318: Vienas kolonnas dejonizācijas kārtridžs · Sistēmām, kas ražo 10038: Vienas kolonnas polishing kārtridžs · Sistēmām, kas ražotas
 B310	Specification: HPLC · Bio Ultrapure (Grade 1) water resistivity, 2: 18.2 MΩ x cm · 18.2 MΩ x cm Ultrapure (Grade 1) water conductivity, : 0.055 μS/cm · 0.055 μS/cm Pure (Grade 2) water resistivity, 25 °C: > 10 MΩ x cm · > 10 MΩ x cm
 B300	Part number: Apraksts · Comments 10319: Priekšfiltru komplekts 10311: Dejonizācijas modulis Q 10031: Polishing modulis Q
 Crystal EX Double Flow	Specification: EX Double Flow Pure (Grade 2) water resistivity, 25 °C: > 10 MΩ x cm Pure (Grade 2) water conductivity, 25 °C: < 0.1 μS/cm TDS reading: N/A
 Crystal EX	Part number: Apraksts · Comments 10320: Priekšfiltrs 10310: Dejonizācijas modulis 10030: Polishing modulis
 GRADUS	Part number: Apraksts · Comments 10411: Priekšfiltrs Q 10311: Dejonizācijas modulis Q 10033: Polishing modulis Q
 E30	Part number: Apraksts · Comments 10320: Priekšfiltrs 10310: Dejonizācijas modulis 10030: Polishing modulis
 GRADUS XT-300	Part number: Apraksts · Comments 10411: Priekšfiltrs Q 10311: Dejonizācijas modulis Q · Konfigurācijām bez EDI moduļa 10033: Polishing modulis Q
 GRADUS EDI	Part number: Apraksts · Comments 10411: Priekšfiltrs Q 10033: Polishing modulis Q 10017: Sterilizācijas UV spuldze · Bio konfigurācija

MODEL	KEY SPECIFICATIONS
 INTEGRITY+	Part number: Apraksts · Comments 10319: Priekšfiltru komplekts 10030: Polishing modulis 10018: Fotooksidācijas UV spuldze · HPLC un Bio konfigurācijai
 Q-FRONT	Part number: Apraksts · Comments 10410: Priekšfiltru modulis 10030: Polishing modulis 10017: Sterilizācijas UV spuldze · Bio konfigurācija

BIOBASE · CHINA

General laboratory equipment

تجهيزات معامل عامة

General laboratory equipment including biosafety cabinets, laminar flow cabinets, fume hoods and incubators.

تجهيزات معامل عامة تشمل كبائن السلامة الحيوية وكبائن التدفق الهوائي الطبقي وكبائن الأبخرة والحضانات.



MODEL	KEY SPECIFICATIONS
 Class II A2 Biological Safety Cabinet EA2-2F	Two, total consumption: 500W Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating
 EC Series Class II B2 Biological Safety Cabinet	Two, total load of two sockets: 500W Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating
 AC Series Class II B2 Biological Safety Cabinet (BSC-IIB2-X)	Two, total load of two sockets: 500W Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating
 Pro Series Class II B2 Biological Safety Cabinet	Two, total load of two sockets: 500W Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating
 AC Series Class II A2 Biological Safety Cabinet	Two, total load of two sockets: 500W Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating
 AC Series Class II A2 Biological Safety Cabinet BSC-700IIA2-Z	Two, total load of two sockets: 500W Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria power coating
 NSF Certified Class II Type A2 Biosafety Cabinet (BSC-3FA2 / 4FA2)	Two, total consumption: ≤500W Working area: 304 stainless steel Frame and decorative plate: cold-rolled steel with anti-bacteria power coating
 Cytotoxic Safety Cabinet (11224 / 11234 / 11244 BBC86)	ULPA filter: first exhaust filter: 0.12μm efficiency 99.9995% HEPA filter: secondary exhaust filter: 0.3μm efficiency 99.995% Two, total load of two sockets: ≤500W Work Area: 304 stainless steel

MODEL	KEY SPECIFICATIONS	
	NSF Certified Class II B2 Biosafety Cabinet (BSC-4FB2)	Working area: 304 stainless steel Frame and decorative plate: cold-rolled steel with anti-bacteria power coating
	Radiation Protection Biosafety Cabinet (BSC-IIA2-R)	Two, total load of two sockets: 500W Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating
	Double-Side Class II A2 Biosafety Cabinet BSC-1500IIA2-S	Model: BSC-1500IIA2-S External Size(W*D*H): 1500*785*2220mm Internal Size(W*D*H): 1160*700*660mm Tested Opening: Safety height 200mm



N-BIOTEK · KOREA

CO₂ and shaking incubators

حضانات CO₂ وحضانات رج

CO₂ incubators from portable to large-capacity, and CO₂ incubators with built-in shakers and rollers for cell culture.

حضانات CO₂ من المحمولة للسعات الكبيرة، وحضانات CO₂ برج ودوار مدمجين لزراعة الخلايا.

MODEL	KEY SPECIFICATIONS	
	MiniCell Portable CO₂ Incubator NB203M	Chamber Volume: 15.2 Liter CO ₂ Range: 0~20% Temperature Range: 15°C ~ 45°C at Ambient 25°C Humidity: Up to 80%
	MaxCell Giant Large Capacity Incubator (NB203QRXXL / NB205QRXXL)	Items: NB-203QRXXL · NB-205QRXXL Temp. Range: Ambient +7□ to 60□ at 25□ RT · Ambient +7□ to 60□ at 25□ RT Temp. Uniformity: Temp ±0.5□ ~0.7□ at 37□ and 25□ RT · Temp ±0.5□ ~0.7□ at 37□ Temp. Increment: ±0.1□ · ±0.1□
	aniCell CO₂ Shaking Incubator (NB206CXL / NB206CXXL)	INCUBATOR: NB-206CXL · NB-206CXXL Temp. range: Ambient +5□ to 60□ · Ambient +5□ to 60□ Temp. accuracy: ±1□ at 37□ · ±1□ at 37□ Humidity: ≥70% at 37□ · ≥70% at 37□
	MaxCell Large Capacity CO₂ Incubator NBT203XXL	Model: NBT203XXL NBT203XXL-1D: 1 Full Inner Glass Model NBT203XXL-2D: 2 Divided Inner Glass Model NBT203XXL-3D: 3 Divided Inner Glass Model
	CO₂ Incubator NB203 / 203XL / 203XXL	203-ING: 2 Divided Inner Glass Door for NB-203 203XL-ING: 6 DIVIDED DOOR FOR NB-203XL 203-UV: UV Sterilization 203-HEPA: HEPA Filter
	CO₂ Incubator with Built-in Roller NB203QR	203QS-H10: 100ml Flask Holder x 16ea with Platform 203QS-H25: 250ml Flask Holder x 9ea with Platform 203QS-H50: 500ml Flask Holder x 5ea with Platform 203QS-H100: Holder
	CO₂ Incubator with Built-in Shaker (NB203QS / QMS / NB206CL)	203QS-H10: 100ml Flask Holder x 16ea with Platform 203QS-H25: 250ml Flask Holder x 9ea with Platform 203QS-H50: 500ml Flask Holder x 5ea with Platform 203QS-H100: 1000ml Flask Holder x 4ea with Platform

WIGGENS · GERMANY

Vacuum pumps

مضخات تفريغ

Chemical-resistant PTFE diaphragm vacuum pumps and vacuum systems for filtration, rotary evaporation and solvent work.

مضخات تفريغ غشائية مقاومة للكيمائيات من PTFE وأنظمة تفريغ للترشيح والتبخير الدوار والتعامل مع المذيبات.

MODEL

KEY SPECIFICATIONS



A410 Chemical Resistant Diaphragm Pump

Model / Specifications: A410
Order No.: 170410
Flow rate [m³/h] at atm. pressure: 1.5
Flow rate [L/min] at atm. pressure: 25



A510 Chemical Resistant Diaphragm Pump

Model / Specifications: A510
Order No.: 170510
Flow rate [m³/h] at atm. pressure: 2.4
Flow rate [L/min] at atm. pressure: 40



C300 Chemical Resistant Diaphragm Pump

Model / Specifications: C300
Order No.: 169300
Flow rate [m³/h] at atm. pressure: 1.32
Flow rate [L/min] at atm. pressure: 22



C400 Chemical Resistant Diaphragm Pump

Model / Specifications: C400
Order No.: 169400
Flow rate [m³/h] at atm. pressure: 2.04
Flow rate [L/min] at atm. pressure: 34



C410 Chemical Resistant Diaphragm Pump

Model / Specifications: C410
Order No.: 169410
Flow rate [m³/h] at atm. pressure: 1.5
Flow rate [L/min] at atm. pressure: 25



C420 Chemical Resistant Diaphragm Pump

Model / Specifications: C420
Order No.: 169420
Flow rate [m³/h] at atm. pressure: 1.5
Flow rate [L/min] at atm. pressure: 35



C510 Chemical Resistant Diaphragm Pump

Model / Specifications: C510
Order No.: 169510
Flow rate [m³/h] at atm. pressure: 2.04
Flow rate [L/min] at atm. pressure: 34



C602 Chemical Resistant Diaphragm Pump

Model / Specifications: C602
Order No.: 169602
Flow rate [m³/h] at atm. pressure: 4.2
Flow rate [L/min] at atm. pressure: 70



C600 Chemical Resistant Diaphragm Pump

Model / Specifications: C600
Order No.: 169600
Flow rate [m³/h] at atm. pressure: 3.6
Flow rate [L/min] at atm. pressure: 60



C520 Chemical Resistant Diaphragm Pump

Model / Specifications: C520
Order No.: 169520
Flow rate [m³/h] at atm. pressure: 3.0
Flow rate [L/min] at atm. pressure: 50



Frequency Conversion Chemical Resistant Vacuum System

Specification on request



HENAN LANPHAN · CHINA

High pressure reactors

مفاعلات ضغط عال

High-pressure, stainless-steel and jacketed glass reactors for synthesis and process development.

مفاعلات ضغط عال ومفاعلات ستانلس ستيل وزجاجية مغلقة للتخليق وتطوير العمليات.

MODEL	KEY SPECIFICATIONS	
	Stainless Steel Reactor	Volume: 2L - 100L Temperature range: -80°C to 250°C Interlayer: With 50mm thermal insulation layer
	High Pressure Reactor	Volume: 50-500ml Design Pressure: 16Mpa Design Temperature: 350°C Speed Control: stepless speed regulation
	Glass Reactor	Specification on request



SH SCIENTIFIC · KOREA

Laboratory autoclaves

أجهزة تعقيم (أوتوكلاف)

Vertical laboratory autoclaves for sterilising media, glassware and instruments.

أجهزة تعقيم رأسية (أوتوكلاف) لتعقيم البيئات والزجاجيات والأدوات.

Full model range and specifications available on request.

Fluid Handling and Teaching

التعامل مع السوائل والتدريب

BAODING SHENCHEN · CHINA

Dispensing and peristaltic pumps

مضخات جرعات ومضخات تمعجية

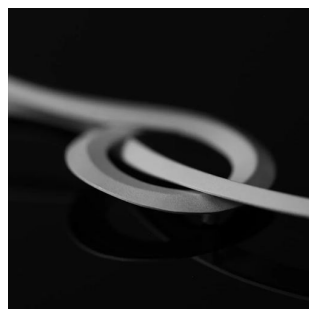


Laboratory peristaltic pumps and dispensing and filling pumps with interchangeable pump heads and precise flow control.

مضخات تمعجية للمعامل ومضخات جرعات وتعبئة برؤوس قابلة للتبديل وتحكم دقيق في معدل التدفق.

MODEL	KEY SPECIFICATIONS
 SP-MiniPump Laboratory Peristaltic Pump	Flow rate range: 0.0024~190mL/min Speed range: 0.1~300 rpm, reversible Speed resolution: 0.1rpm Speed control: Digital knob controls speed
 LabV1-III Laboratory Peristaltic Pump	Flow rate range: 0.0053-775mL/min Flow rate resolution: 0.01mL/min Speed range: 0.1-150rpm Speed resolution: 0.01rpm
 LabV3-III Laboratory Peristaltic Pump	Flow rate range: 0.0053~1808mL/min Flow rate resolution: 0.01mL/min Speed range: 0.1-350rpm Speed resolution: 0.01rpm
 LabN1-III Laboratory Peristaltic Pump	Flow rate range: 0.0053-775mL/min Speed resolution: 0.1rpm Back suction angle: 0-360° Dispensing time: 0.1s-9999h
 LabV6-III Laboratory Peristaltic Pump	Flow rate range: 0.0053~3100mL/min Flow rate resolution: 0.01mL/min Speed range: 0.1-600rpm Speed resolution: 0.01rpm
 LabN3-III Laboratory Peristaltic Pump	Flow rate range: 0.0053-1808mL/min Speed resolution: 0.1rpm Back suction angle: 0-360° Dispensing time: 0.1s-9999h
 LabN6-III Laboratory Peristaltic Pump	Flow rate range: 0.0053-3100mL/min Speed resolution: 0.1rpm Back suction angle: 0-360° Dispensing time: 0.1s-9999h
 KF300 Plus/KT15 Dispensing and Filling Peristaltic Pump	Speed range: 0.1-350 rpm Dispensing volume range: 0.01-9999.99 mL Dispensing time: 0.1-9999.99 s Pause time: 0.1-9999.99 s
 LabM6-III Laboratory Peristaltic Pump	Flow rate range: 0.0053-3100mL/min Speed range: 0.1-600rpm Speed resolution: 0.1 rpm Testing time range: 0.5s-999s
 KF300 Plus/HandyPump Dispensing and Filling Peristaltic Pump	Speed range: 0.1-300 rpm Dispensing volume range: 0.01-9999.99 mL Dispensing time: 0.1-9999.99 s Pause time: 0.1-9999.99 s

MODEL	KEY SPECIFICATIONS
 DF600 Plus Dispensing and Filling Peristaltic Pump	Speed range: 0.1-600 rpm Filling volume range: 0.1-9999.99 mL Filling time range: 0.1-9999.99 s Pause time range: 0.5-9999.99 s
 CF600 Plus Dispensing and Filling Peristaltic Pump	Speed range: 0.1-600 rpm Filling volume range: 0.1-9999.99 mL Filling time range: 0.1-9999.99 s Pause time range: 0.5-9999.99 s



SAINT-GOBAIN · FRANCE

Silicone tubing

خراطيم سيليكون

High-purity silicone and pharmaceutical-grade tubing for fluid transfer in laboratory and bioprocess applications.

خراطيم سيليكون عالية النقاء وبدرجة دوائية لنقل السوائل في تطبيقات المعامل والعمليات الحيوية.

Full model range and specifications available on request.



BESTSCOPE · INDIA

Microscopes

ميكروسكوبات

Monocular, binocular and trinocular biological microscopes, plus research, inverted and fluorescence models.

ميكروسكوبات بيولوجية أحادية وثنائية وثلاثية العدسات، وموديلات بحثية ومقلوبة وفلورسنت.

MODEL	KEY SPECIFICATIONS
 BS-2028T Trinocular Biological Microscope	Stage size: 125mm*115mm. Travel: 35mm*75mm.
 BS-2005M Monocular Biological Microscope	Monocular head, 360° Rotatable, users can view from any angles. Maximum magnification can be up to 2500× with optional eyepiece and objectives. Battery compartment comes with the microscope, 3pcs AA battery can be used as the power su
 BS-2048B Binocular Biological Microscope	Specification on request
 BS-2081 Research Biological Microscope	Specification on request
 BCF297 Laser Scanning Confocal Microscope	Published in: <The Journal of Nutritional Biochemistry>. Image source: Department of Child and Adolescent Health, Public Health Col Field of view: (≥20) Scanning element: 512*512-8192*8192

MODEL	KEY SPECIFICATIONS
 BS-2074T Trinocular Biological Microscope	Excellent Optical Design. Infinite Plan Objectives. This is an unbounded microscope.
 BS-2020M Monocular Biological Microscope	Comfortable operation with updated and ergonomic design; LED light illumination, save energy and long working life; Compact and flexible, ideally suited for desktop, laboratory worktable.
 BS-2052BT Trinocular Biological Microscope	High contrast and sharp image with high quality optical system. Low environment requirement with Anti-mould technology. Comfortable operation with low position coarse and fine adjustment knobs.
 BS-2052B(ECO) Binocular Biological Microscope	High contrast and sharp image with high quality optical system. Low environment requirement with Anti-mould technology. Comfortable operation with low position coarse and fine adjustment knobs.
 BS-2082MH10 Research Biological Microscope	Double layers mechanical stage, size: 187mm X168mm; moving range: 80mm X55mm; precision: 0.1mm; tw Camera adapter: 0.5X/0.65X/1X focusing C-mount
 BS-2085F Motorized Automatic Biological Fluorescent Microscope	Communication interface: USB2.0 and RS232
 BS-2064FB(LED) LED Fluorescent Binocular Biological Microscope	Wide voltage: 100-240V, built-in transmitted Koehler illumination; 6V/30W



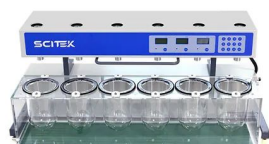
SCITEK · CHINA

Pharmaceutical production equipment

معدات إنتاج دوائي

Pharmacopoeia testing equipment: dissolution, disintegration, friability and hardness testers for tablet QC.

أجهزة اختبارات الدساتير الدوائية: أجهزة الدوبان والتفكك والتفتت والصلابة لضبط جودة الأقراص.



MODEL	KEY SPECIFICATIONS
 Disintegration Tester with Stainless Steel Basket	Model: DTLT-BI Disintegration Basket Material: Stainless steel tube Tube Length: 30mm, inner; diameter: 13mm; Inner diameter of the sieve: 71 Disintegration Basket Round-trip Frequen: 30 times/min
 Clarification Tester	Model: CT-I · CT-II Lamp Three-primary-color: Fluorescent lamp Illumination Range: 1000□6000 LUX Time Range: 1□99s
 Disintegration Time Limit Tester	Model: DTLT-I; DTLT-II; DTLT-III; DTLT-IV; DTLT-BJ Display Resolution: 0.1□ Temperature Control Accuracy: ±0.3□ Time Control Accuracy: ±0.5min

MODEL	KEY SPECIFICATIONS
 Disintegration Time Limit Tester DTLT-3GS	Model: DTLT-3GS Number of Hanging Baskets: 3 Lifting Distance: 55±1 mm Upgrade Frequency: 31±1 times/minute
 Automatic Dissolution Tester	Model: DT-XII; DT-STIII; DT-STVI; DT-STVIII Speed Range: 20~200 rpm; 20~250 rpm Rotating Speed Resolution: 1 time/min Temperature Range: Ambient Temperature~+45.0℃
 Dissolution Tester	Model: DT-I; DT-III; DT-VI; DT-VIII; DT-DVI; DT-DVIII; DT-DSVIII Speed Range: 20~200rpm; 20~250rpm Speed Accuracy: ±2rpm; ±1rpm Temperature Range: Ambient Temperature~+45.0℃
 Tablet Friability Tester	Model: TFT-I; TFT-II; TFT-III; TFT-IV Number of Cylinder: 2/1 Rotating Speed: 20~100 rpm (can be set arbitrarily) Rotating Accuracy: ±1 rpm
 Tablet Hardness Tester	Model: THT-I Hardness Test Range: 2-198N; 0.2KG-20KG Resolution: 0.1N; 0.01KG Hardness Measurement Accuracy: Range: ±0.5%
 Gelatin Gel Strength Tester	Model: GST-II; GST-III Test Range: 5-1000 Bloomg Test Precision: ±0.3% Resolution: 1g
 Tablet Hardness Tester THT-II	Model: THT-II Hardness Test Range: 2-200N; 0.2KG-20KG (Customizable 500N/50KG) Resolution: 0.1N; 0.01KG Hardness Measurement Accuracy: Range ±0.5%
 Tablet Hardness Tester with Micro-printers	Model: THT-III Hardness Test Range: 2-200N; 0.2KG-20KG (Customizable 500N/50KG) Resolution: 0.1N; 0.01Kg Hardness Measurement Accuracy: Range±0.5%
 Hardness Tester THT-50E	Model: THT-50E Hardness: 10-500 N, resolution 0.01 N, accuracy 0.1 N. Diameter: 2-25 mm, resolution 0.01 mm, accuracy 0.1 mm. Thickness: 0.5-15 mm, resolution 0.01 mm, accuracy 0.1 mm.



DIVIN · INDIA

Student kymographs

أجهزة كيموغراف تعليمية

Student kymographs and recording drums for physiology and pharmacology teaching laboratories.

أجهزة كيموغراف وأسطوانات تسجيل لمعامل تدريس الفسيولوجي والفارماكولوجي.

Full model range and specifications available on request.



HIRSCHMANN · GERMANY

Micropipettes

ماصات دقيقة (مايكروبييت)

Micropipettes, pipette fillers, bottle-top dispensers and titration equipment for accurate liquid handling.

ماصات دقيقة ومساعدات ماصات وموزعات على الزجاج وأجهزة معايرة للتعامل الدقيق مع السوائل.

MODEL	KEY SPECIFICATIONS
 Microliter Pipettes	Specification on request
 Pipette Fillers	Specification on request
 Bottle-Top Dispensers	Specification on request
 Titration Equipment	Specification on request



SEVITSIL · INDIA

Pharmaceutical silicone tubing

خراطيم سيليكون دوائية

Pharmaceutical and biotech silicone tubing and hoses: platinum-cured, braided, TPE and chemical-resistant grades.

خراطيم سيليكون للأدوية والتكنولوجيا الحيوية: معالجة بالبلاستيك ومجدولة وTPE ومقاومة للكيمائيات.

MODEL	KEY SPECIFICATIONS
 AnekSil® Tubing	Hardness: 60±5 Shore A
 SiliPure Tubing	Shore A Hardness: 60 Density: 1.2 Temperature: -60°C to +220°C Tensile Strength: 11.0Mpa
 FEP Tubing	Application: Benefit of FEP Tubing Chemical transfer lines: Resists a wide range of corrosive chemicals and stays chemically inert Laboratory / analytical tubing: Low absorption and chemical inertness help preserve sample Medical tubing / catheters / endoscopy: Biocompatibility and sterilizability support medical use

MODEL	KEY SPECIFICATIONS	
 SiliTrans® Biopharma Tubing	Hardness: 65±5 Shore A Temp Range: -45°C to +135°C DMF Number: 035124	
 Chempure® Chemical Resistant Tubing	Standard coil length: 50 ft. Available from 25 to 100 ft on request.	
 SiliPex® Tubing	Hardness: 65±5 Shore A Temp Range: -40°C to +200°C	
 SurePrene® TPE Tubing	Hardness: 60±5 Shore A Temp Range: -30°C to +110°C Color: As per Requirement	
SiliBraid® Silicone Braided Hose		Specification on request
 SiliVac® Vacuum Hose	Temp Range: -80°C to +230°C Hardness: 65±5 Shore A	
 SiliVacBraid® Braided Vacuum Hose	Temp Range: -80°C to +230°C Hardness: 65±5 Shore A	

Surface and Thin-Film Science

علوم الأسطح والأغشية الرقيقة



RAME-HART · USA

Contact angle goniometers

أجهزة قياس زاوية التلامس (جونيوميتر)

Contact angle goniometers and tensiometers for measuring wettability, surface energy and surface tension.

أجهزة جونيوميتر وتنسيوميتر لقياس زاوية التلامس وطاقة السطح والتوتر السطحي.

MODEL	KEY SPECIFICATIONS
 Model 260 Goniometer / Tensiometer	Model Number: 260-U6 Surface Characteristics: Contact angle, surface energy, surface tension, and interfac Stage: Advanced 3-axis stage with fine adjustment Stage Size: 51 x 76 mm (2.01 x 2.99 in)
 Model 90 Pro Contact Angle Goniometer	Model Number: 90-U3-PRO Surface Characteristics: Contact angle and surface energy (surface tension and interf U3 Camera Speed: 25 frames/sec (full window) U3 Camera Resolution: 720 x 540 pixels (full window)
 Model 250 Goniometer / Tensiometer	Model Number: 250-U6 Surface Characteristics: Contact angle, surface energy, surface tension, and interfac Stage: 3-axis stage with leveling specimen stage Stage Size: 51 x 76 mm (2.01 x 2.99 in)
 Model 90 Contact Angle Goniometer	Model Number: 90-U3-CA Surface Characteristics: Static contact angle U3 Camera Speed: 25 frames/sec (full window) U3 Camera Resolution: 720 x 540 pixels (full window)
 Model 190 Contact Angle Goniometer	Model Number: 190-U6 Surface Characteristics: Static contact angle Stage: 3-axis stage with leveling specimen stage Stage Size: 51 x 76 mm (2.01 x 2.99 in)
 Model 210 Goniometer	Model Number: 210-U6 Surface Characteristics: Contact angle, surface energy, surface tension, and interfac Stage: 3-axis stage with leveling specimen stage Stage Size: 51 x 76 mm (2.01 x 2.99 in)
 Model 400 Goniometer / Tensiometer	Model Number: 400-U6 Surface Characteristics: Contact angle, surface energy, surface tension, and interfac Stage: Advanced 3-axis stage with fine adjustment Stage Size: 51 x 76 mm (2.01 x 2.99 in)
 Model 290 Goniometer / Tensiometer	Model Number: 290-U6 Surface Characteristics: Contact angle, surface energy, surface tension, and interfac Stage: 3-axis stage with leveling specimen stage Stage Size: 51 x 76 mm (2.01 x 2.99 in)
 Model 500 Advanced Goniometer	Model Number: 500-U6 Surface Characteristics: Contact angle, surface energy, surface tension, and interfac Stage: Advanced 3-axis stage with fine adjustment Stage Size: 51 x 76 mm (2.01 x 2.99 in)

MODEL	KEY SPECIFICATIONS
 Model 590 Advanced Goniometer / Tensiometer	Model Number: 590-U6 Surface Characteristics: Contact angle, surface energy, surface tension, and interfac Stage: Advanced 3-axis stage with fine adjustment Stage Size: 51 x 76 mm (2.01 x 2.99 in)



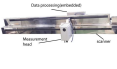
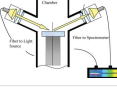
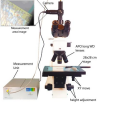
SEMICONSOFT · USA

Optical film thickness measurement

أجهزة قياس سمك الأغشية ضوئياً

Optical thin-film thickness measurement systems, from benchtop and microspot to mapping and in-situ units.

أنظمة قياس سمك الأغشية الرقيقة ضوئياً، من الوحدات المكتبية والنقطية لحد أنظمة المسح والقياس أثناء التشغيل.

MODEL	KEY SPECIFICATIONS
 MProbe 20 Thin Film Thickness System	MPROBE 20 SERIES: THIN FILMS THICKNESS MEASUREMENT Flexible: modular thin film thickness measurement system: select the b Precision: unmatched precision <0.01nm or 0.01% Materials: 500+ extended material database
 MProbe HC (curved surfaces)	Materials: 500+ extended material database Software: user friendly desktop interface and feature rich TFCompanion MPROBE HC: measurement of a coating on car headlights covers Wavelength range: 400-1000nm
 MProbe 70 (inline)	There are two basic configurations: multi-point and scanner based system. Flexible configuration: integration with PC or PLC MProbeHC: Thickness measurement on curved surfaces
 MProbe 50 (in-situ)	In-situ thin film thickness and n&k measurement Gated data acquisition for measurement in high ambient light environment Materials: 500+ extended material database
 MProbe UVVisF (gated measurement)	Materials: 500+ extended material database MProbe UVVisF: Measuring thin Tin Oxide on float glass Precision: <0.01nm or 0.01% Accuracy: <1nm or 0.2% (filmstack dependent)
 MProbe 40 Small-Spot Thickness System	MPROBE 40: SMALL SPOT FILMS THICKNESS MEASUREMENT MPROBE 40 -MSP: Film Thickness measurement in small spot Flexible modular system: select the best configuration for your application. Precision: unmatched precision <0.01nm or 0.01%
 MProbe 60 (mapping)	Precision: unmatched precision <0.01nm or 0.01% Materials: 500+ extended material database MPROBE 60 Series: Thickness ranges Accuracy: <1nm or 0.2% (filmstack dependent)



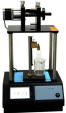
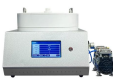
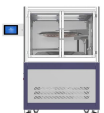
CY SCIENTIFIC · CHINA

Thin film coaters

أجهزة طلاء الأغشية الرقيقة

Spin coaters, dip coaters and doctor-blade film coaters for thin-film, solar-cell and battery-electrode research.

أجهزة طلاء بالدوران والغمس والشفرة لأبحاث الأغشية الرقيقة والخلايا الشمسية وأقطاب البطاريات.

MODEL	KEY SPECIFICATIONS
 8-inch Heated Anti-Corrosion Spin Coater	Product Name: 8 inch chassis heating anti corrosion spin coater Product Model: CY-SPC8-CH Powersupply: AC220V, 50Hz Chambermaterial: PTFE
 Heated Spin Coater	Spin Coater: The spin coater capable to coat liquid or colloidal material Model No.: CY-SPC8-CH Supply voltage: AC220V, 50Hz Spin speed: 0~10,000rpm
 PTFE Anti-Corrosion Automatic Spin Coater	Model: CY-SPC12-PTFE Power Supply: AC220V, 50 Hz Applicable Substrates: 8-inch,12-inch; aluminum-alloy vacuum chuck Chamber Material: PTFE
 Desktop Programmable Dip Coater	Dipping/Pulling: Dipping/Pulling Speed: 1-200 mm/minute Adjustable via digital Voltage: AC 110V/220V Sample holder: Two screw sample clips are installed in the sample holder to Beaker Holder: The beaker which contains the coating material (coating solution)
 Fully Automatic Heated Spin Coater	Product Name: Fully Automatic Heating Spin Coater Model: CY-SPC8-SS Power supply: AC220V 50Hz Wafer specifications: Max. 8inch standard wafer
 Four-Nozzle Ultrasonic Spin Coater	Product Name: Four-Nozzle Ultrasonic Spinning Machine Model: CY-300SS-4 Spin Coater: Wafer Size · 12-inch Chamber Material: PTFE
 Swing-Arm Spin Coater for Silicon Wafers	Product name: swing arm spin coater Product model: CY-SPC8-BB-PP Maximum speed: 10000 RPM Speed resolution: 1 RPM
 12-inch PTFE Chamber Spin Coater	Input power supply: AC220V, 50Hz Chamber material: PTFE Substrate size: Diameter ≤ 12 inches (~300mm) Spin speed: 0-5000rpm
 8-inch Acrylic Chamber Photoresist Spin Coater	Model: BT-300CA/153Yx-PPS Adaptive pump tube: silicone tube, A-60-F tube, coated tube Optional pump tube sizes: 14#, 16#, 25#, 17#, 18# Motor type: Stepper motor
 1000 mm Stainless Steel Photoresist Spin Coater	Product name: 1000MM spin coater Product model: CY-SPC40-T-SS Supply voltage: AC380V 50H Rated power: 15KW
 PLC Precision Lab Dip Coater	Working Voltage: 110/220V AC switchable, 50/60 Hz Max. Power Consumption: 20W Maximum Sample Load: 7 kg (15.4 lbs) Standard Panel Size: 310mm(L)×260mm(W)×(3-15)mm(Thickness) Customized tank dimensions

MIDAS SYSTEM · KOREA

Spin coaters

أجهزة الطلاء بالدوران (Spin Coater)

Spin coaters for photoresist and thin-film deposition on wafers and substrates.

أجهزة طلاء بالدوران لترسيب الفوتوريزست والأغشية الرقيقة على الرقائق والركائز.

Full model range and specifications available on request.

Optics and Lasers

البصريات والليزر

THORLABS · USA

Laser sources and accessories

مصادر ليزر وملحقاتها

Laser sources, diode and HeNe lasers, and optomechanical accessories for optics and photonics laboratories.

مصادر ليزر، ليزر دايود وهيليوم-نيون، وملحقات أوبتوميكانيكية لمعامل البصريات والفوتونيات.

Full model range and specifications available on request.

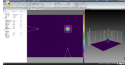
CNI LASER · CHINA

DPSS and diode lasers

ليزر الحالة الصلبة والدايود

DPSS, diode and single-frequency lasers across UV, visible and infrared wavelengths, with power meters and spectrometers.

ليزر حالة صلبة ودايود وأحادي التردد في الأطوال الموجية فوق البنفسجية والمرئية وتحت الحمراء، ومعها أجهزة قياس قدرة وسبكترومتر.

MODEL	KEY SPECIFICATIONS
Green DPSS Lasers (500–561 nm)	High energy green laser: energy >450 mJ; Narrow pulse width Green laser: pulse width <0.8 ns; High power green laser: power >200 W; High stability green laser: stability <0.1%;
Yellow and Orange DPSS Lasers (556–593.5 nm)	High power yellow laser: power >25 W; High energy yellow laser: energy >5 mJ; High stability yellow laser: stability <0.1%; Low noise yellow laser: noise <0.25%;
Industrial and Q-Switched Lasers	Single pulse energy: 1 μJ~10 J Repetition rate: 1 Hz~200 kHz Pulse width: 0.8 ns~200 ns Operating mode: Activity, passively
UV Lasers (266 / 355 nm)	Pulsed UV laser: energy >10 mJ; High power UV laser: power >3 W; High stability UV laser: stability <1%; Low noise UV laser: noise <0.25%;
Violet and Blue CW Lasers (400–491 nm)	Pulsed blue laser: energy >50 μJ; High power blue laser: power >20 W; High stability blue laser: stability <0.1%; Low noise blue laser: noise <0.25%;
Red Lasers (635 / 655 / 671 nm)	High power red laser: power >100 W; High stability red laser: stability <0.1%; Low noise red laser: noise <0.25%; Single longitudinal mode red laser: line width <0.00001 nm.
 Multi-Wavelength Lasers	Fiber 1: 1 power output
 Single-Frequency SLM Lasers (532 / 1064 nm)	Specification on request
 Laser Power Meter	Wavelength range: 0.19-25μm Damage threshold: 45kW/cm2 Power range: 2mW-300W Active area diameter: 22/ 25/40mm

MODEL	KEY SPECIFICATIONS
 Optical Spectrum Analyzer	International Tel: +86-431-85603799 Domestic Tel: 0431-87020257 Fax: +86-431-892

Environmental and Plant Science

العلوم البيئية وعلوم النبات



DELTA-T DEVICES · UK

Plant and soil science instruments

أجهزة علوم النبات والتربة

Plant and soil science instruments: porometers, canopy analysers, leaf area systems, soil moisture sensors and data loggers.

أجهزة علوم النبات والتربة: بوروميتر ومحللات الغطاء النباتي وأنظمة مساحة الورق وحساسات رطوبة التربة ومسجلات البيانات.

MODEL	KEY SPECIFICATIONS
 AP4 Porometer	Product Resources Simple absolute calibration in the field Minimises leaf stress during measurement
 SS1 SunScan Canopy Analysis System	Product Resources Measures incident and transmitted PAR in canopies Direct display of Leaf Area Index (LAI)
 PR2 Soil Profile Probe	Full range: 0 to 1.0 m ³ .m ⁻³ Temperature range Full accuracy over: 0 to 40°C PR2/6: x6 outputs, PR2/4: x4 PR2/4: ~80 mA for 1s
 ML3 ThetaProbe Soil Moisture Sensor	Full range: 0 to 1.0 m ³ .m ⁻³ Temperature range Full accuracy over: 0 to 40°C Dimensions and weight Overall: 158 x 40 mm diameter Rods: 60 mm x 3.2 mm diameter
 WET150 Multi-Parameter Soil Sensor	Operating voltage: 6 to 20 Volts Active sensing: 22 mA average over 12 ms (average includes short peaks at 45 Active results computation: 2 mA over 188 ms Idle: <0.5mA
 GP2 Data Logger and Controller	Product Resources Powerful and rugged field data logger SDI-12 enabled
 WinDIAS 4 Leaf Image Analysis System	Product Resources Advanced leaf area meter Measures area, perimeter, length, width, object count and more
 HH2 Moisture Meter	Input connections: 1 water content sensor or 1 WET Sensor Control outputs: – Readings stored: 1,500 Recording rate: –
 SM150T Soil Moisture Sensor	NB: When used in portable mode the SM150T Sensor does not provid Full range: 0 to 1.0 m ³ .m ⁻³ Temperature range Full accuracy over: 0 to 40°C Dimensions and weight Overall: 143 x 40 mm diameter

MODEL	KEY SPECIFICATIONS
 EQ3 Equitensiometer	Product Resources Convenient, accurate and reliable alternative to water-filled tensiometers Excellent range 0 to -1000 kPa



OPTI-SCIENCES · USA

Chlorophyll meters and fluorometers

أجهزة قياس الكلوروفيل والفلوروميتر

Handheld chlorophyll content meters and chlorophyll fluorometers for plant stress and photosynthesis research.

أجهزة محمولة لقياس محتوى الكلوروفيل وأجهزة فلوروميتر الكلوروفيل لأبحاث إجهاد النبات والبناء الضوئي.

MODEL	KEY SPECIFICATIONS
 CCM-200 Chlorophyll Content Meter	Protective transport case included Fast, non-destructive measurement at an affordable price Cited by more than 1,000 published scientific papers
 PSP32 Photosynthesis Yield Analyzer	Open daylight dark adaptation module with far red light Open daylight dark adaptation module view from the side Water proof system controller on pole or tripod with touch screen control, and wireless Wi
 ACM-200 Anthocyanin Content Meter	Protective transport case included Stores up to 50,000 measurements Displays Anthocyanin Content Index
 CCM-300 Chlorophyll Content Meter	Measuring a white pine needle Measuring Arabidopsis Thaliana st germination Measuring immature wheat
 MPM-100 Multi-Pigment Meter	Protective transport case included Direct measurement of fluorescence induced by three separate excitation sources Direct measurement of transmittance at two wavelengths
 AM350 Leaf Area Meter	Real time image display High resolution Battery portable – up to 3,000 measurements on a single charge
 Fv/Fm Chlorophyll Fluorometer	Protective transport case included Inexpensive dark adaption clips to allow rapid measurement of more statistically significant Dark clips allow the equivalent of “predawn dark adaption measurement” at more reasonable
OS1p Chlorophyll Fluorometer	How FM' correction works Protective transport case included Stable Internal Actinic Light Source for reliable field and laboratory quenching tests
 OS5p+ Modulated Chlorophyll Fluorometer	Measuring Y(II) or Δ F/FM' protocol Measuring Y(II) protocol with Loriaux 2013 FM' correction Measuring Y(II) with a square topped flash
 OS30p+ Chlorophyll Fluorometer	Protective transport case included Direct readout and graphic display of FV/FM and FV/FO measurements Self calibrating red Strasser OJIP light source at 3,500 μmoles – Because Strasser OJIP va

MODEL	KEY SPECIFICATIONS
 PSK Plant Stress Kit	Y(II) meter sample area Y(II) meter monitor mode Optional FV/FM meter



KIPP & ZONEN · NETHERLANDS

Pyranometers

أجهزة قياس الإشعاع الشمسي (بيرانوميتر)

ISO 9060 pyranometers for measuring global solar radiation in meteorology, solar energy and research.

أجهزة بيرانوميتر مطابقة لـ ISO 9060 لقياس الإشعاع الشمسي الكلي في الأرصاد والطاقة الشمسية والأبحاث.

MODEL	KEY SPECIFICATIONS
 CMP10x Pyranometer	ISO 9060 Classification: Spectrally Flat Class A Zero offset A: $\pm 7 \text{ W/m}^2$ Zero offset B: $\pm 1 \text{ W/m}^2$ Directional Response: $\pm 10 \text{ W/m}^2$
 CMP22 Pyranometer	Sensitivity: $7 \text{ to } 14 \mu\text{V/W/m}^2 < \pm 0.5 \% (-20 \text{ to } +50 \text{ }^\circ\text{C})$ Drying Cartridge and Maintenance Interval: External, replacement after approx. 6 months Spectral accuracy: 200 to 3600 nm Analogue Outputs: 0 to 21 mV
 SMP10x Smart Pyranometer	ISO 9060 Classification: Spectrally Flat Class A Zero offset A: $\pm 7 \text{ W/m}^2$ Zero offset B: $\pm 1 \text{ W/m}^2$ Directional Response: $\pm 10 \text{ W/m}^2$
 CMP6 Pyranometer	Response Time: $< 6 \text{ s (63\%)}, 12 \text{ s (95\%)}$ Sensitivity: $5 \text{ to } 20 \mu\text{V/W/m}^2 < 4\% (-10 \text{ to } +40 \text{ }^\circ\text{C})$ Zero offset B: $< \pm 2 \text{ W/m}^2$ Digital outputs: N.A.
 SMP12 Class A Pyranometer	Maximum Irradiance: $2000 \text{ W/m}^2 \text{ (Max.)}$ Spectral accuracy: 280 to 3000 nm Spectral Range: 285 to 2750 nm Non-linearity: $< \pm 0.2\% (100 \text{ to } 1000 \text{ W/m}^2)$
 SMP22x Smart Pyranometer	ISO 9060 Classification: Spectrally Flat Class A Zero offset A: $\pm 5 \text{ W/m}^2$ Zero offset B: $\pm 1 \text{ W/m}^2$ Directional Response: $\pm 5 \text{ W/m}^2$
 SMP3-A Smart Pyranometer (4–20 mA)	Non-stability: $< \pm 1\% \text{ (change/year)}$ Drying Cartridge and Maintenance Interval: Internal, no replacement necessary Zero offset B: $< \pm 5 \text{ W/m}^2$ Operating humidity: 0 to 100 %
 CMP3 Pyranometer	Drying Cartridge and Maintenance Interval: Internal, no replacement necessary Irradiance saturation: $2000 \text{ W/m}^2 \text{ (Max.)}$ Response Time: $< 6 \text{ s (63\%)}, 20 \text{ s (95\%)}$ Material enclosures: Aluminum, anodized
 SMP6 Smart Pyranometer	Digital outputs: Modbus RTU 2-wire RS-485 Response Time: $< 1.5 \text{ s (63\%)}, < 12 \text{ s (95\%)}$ Zero offset B: $< \pm 2 \text{ W/m}^2$ Directional Response: $< \pm 15 \text{ W/m}^2 \text{ (up to } 80^\circ \text{ with } 1000 \text{ W/m}^2 \text{ beam)}$

MODEL	KEY SPECIFICATIONS
 SP Lite2 Silicon Pyranometer	Drying Cartridge and Maintenance Interval: None PV Panel Temperature: -40 - +80 °C Irradiance saturation: 2000 W/m ² (Max.) Response Time: < 500 ns (95 %)
 CM4 High-Temperature Pyranometer	Operating humidity: 0 - 100 % Zero offset A: < 4 W/m ² Classification: Spectrally Flat Class C (ISO 9060: 2018) Operating temp range 1: -40 - 302 °F (-40 - 150 °C)