

BK Electronics



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BK
ELECTRONICS

WE INSPIRE PRIDE

OEM·ODM OF MEDICAL INSTRUMENT



Greetings

BK Electronics is the leading electronics manufacturing service provider in Korea. With nearly 40 years of experience, we have established ourselves as a trusted contract manufacturer to companies of all sizes, industries and countries.

Since 1987, we have gradually grown into a one-stop service company, manufacturing products in medical, industrial, defense, and energy spheres. Our state-of-the-art facilities, advanced technology, and highly skilled workforce enable us to deliver exceptional solutions that exceed our customers' expectations. We understand the importance of building strong relationships with our customers, and that each client requires tailored solutions to meet their specific needs.

As we continue to grow and expand our capabilities, we remain committed to delivering exceptional service and driving success for our customers. Thank you for considering BK Electronics as your electronics contract manufacturing partner. We look forward to serving you and working together to achieve success.



Affiliates

K101 Co.,Ltd.



Location Anyang, Korea
Area 30,000m²

Overseas subsidiaries

Best BK Electronics Co.,Ltd(Vietnam)



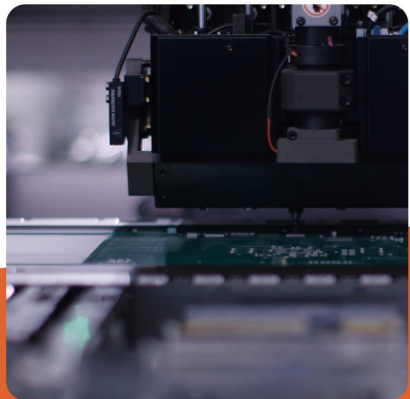
Location Hanoi, Vietnam
Area 15,000m²

One-stop Total Solution

With nearly 40 years of experience in contract manufacturing of electronics, we provide complete EMS solutions: from purchasing parts to PCB design, assembly and testing, as well as box-build and harness assembly – all under one roof.



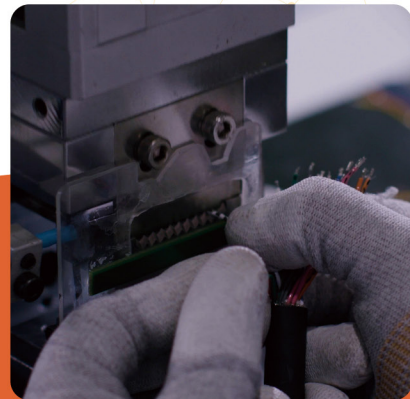
ARTWORK



SMT



IMT



HARNESS



SET ASS'Y



Manufacturing Technology

- Competitive facilities for quality and productivity
- Computerized production data management
- Customized production to meet customer needs

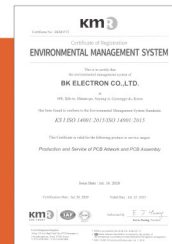


Quality Control

We focus all our capabilities to attain world-class quality and continuous improvement.



ISO9001



ISO-14001



ISO-13485



IATF16949



KS Q 9100



GMP

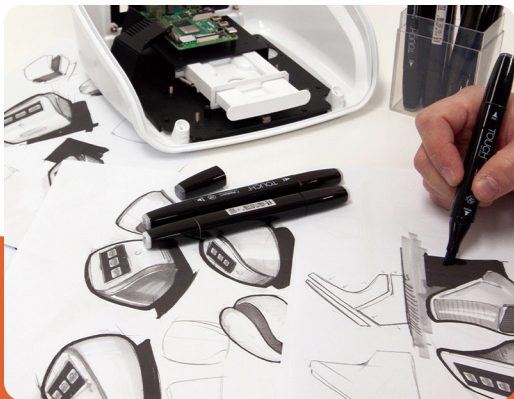


KEPIC-EN



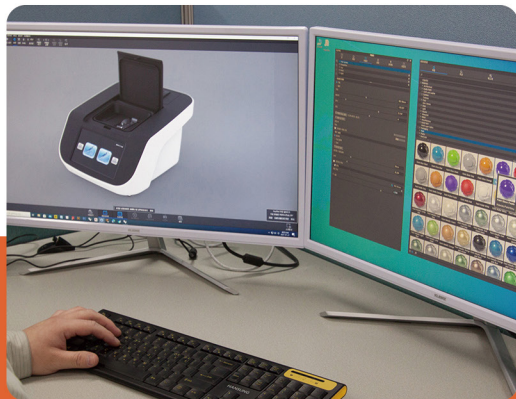
IPC

Research and Development



DESIGN

- Product external / internal
- Aesthetics
- User convenience
- Optical performance



SW DEVELOPMENT

- Artwork
- UI design
- Application
- Firmware



HW DEVELOPMENT

- Mechanical
- 2D&3D development
- Performance validation
- Stability validation



TESTING







- Functional test
- Stability test
- Reliability test

Immunodiagnosics

RPD-1000 / RPD-2000

This instrument reads rapid test kits and displays quantitative and qualitative results according to the analysis algorithm developed by BK Electronics.

Key Features

-  Dual-processor image processing
-  Image analysis algorithm using Linux environment & camera OpenCV
-  Built-in scanner for UDI
-  7" touch screen display
-  User-centric Interface
-  Detachable printer

RPD-1000



RPD-2000



Immunodiagnosics

RPD-3500 (under development)

RPD-3500 is a mini device that reads and provides quantitative and qualitative results of rapid test kits.

USB-C port

Connects to a computer to control the device, transfer test results, and for power supply.



Key Features

-  Built-in scanner for UDI
-  Easy to use
-  User-centered GUI design
-  Can be connected to PC via USB

Molecular Diagnostics

IAM-1000 (under development)

IAM-1000 is a device for isothermal nucleic amplification reaction. It is lightweight and low-cost, which is ideal for on-site diagnosis in small hospitals and quarantine stations.

Key Features



Compact size



Easy to use with LED touch screen control



Single block : up to 8 samples



Smooth sliding system of a sample block module



Molecular Diagnostics

GEN-1800

This equipment quickly and accurately extracts and purifies nucleic acid(DNA, RNA) from samples such as blood for research purposes or for diagnosing diseases.

Key Features



Compact design that can be used not only in laboratory but also in the BSC



Short preparation and fast processing time



Simple and convenient operation and setting



Simultaneous execution of 1-8 samples and individual control








Biochemical Diagnostics

RPD-4000 (under development)

RPD-4000 urine strip analyzer analyzes the colors on the urine test pad with its own algorithm and presents the results.

Key Features

-  Accurate and fast results
-  Easy to use
-  User-centered GUI design
-  Removable test strip tray for cleaning
-  Removable thermal printer



Biochemical Diagnostics

CFU-D1

CFU-D1 is a POCT multi-analyzer for HbA1c, ACR, CRP and CREA, by measuring absorbance/reflective light using spectrophotometry.

Key Features





-  Multi-parameter application such as absorption and reflection measurement
-  Internal scanner (cartridge data recognition, including UDI)
-  5" touch screen display
-  Internal thermal printer



Photo-oxidation Immunoassay

ABSOL HS Duo

It uses PIFA technology, amplifying fluorescence signal on the presence of the specific marker protein. By analyzing amplification curve, a very small amount of specific marker protein can be measured.

Key Features



For diagnosing Alzheimer's disease and mild cognitive impairment



Sample type :
serum or plasma



Short preparation time, quick
turnaround (approx.30 minutes)



Easy to move - simple & convenient
operation, light weight



Blood Analysis

RheoSCAN

This device measures comprehensive rheological properties of blood in a short period of time (<2 minutes). The device easily measures cohesion and cohesive force using cutting-edge microfluidic technology.

Key Features



Compact design for hospitals,
laboratories, and BSCs



Short preparation and quick
processing time



Simple, convenient operation
and setting

