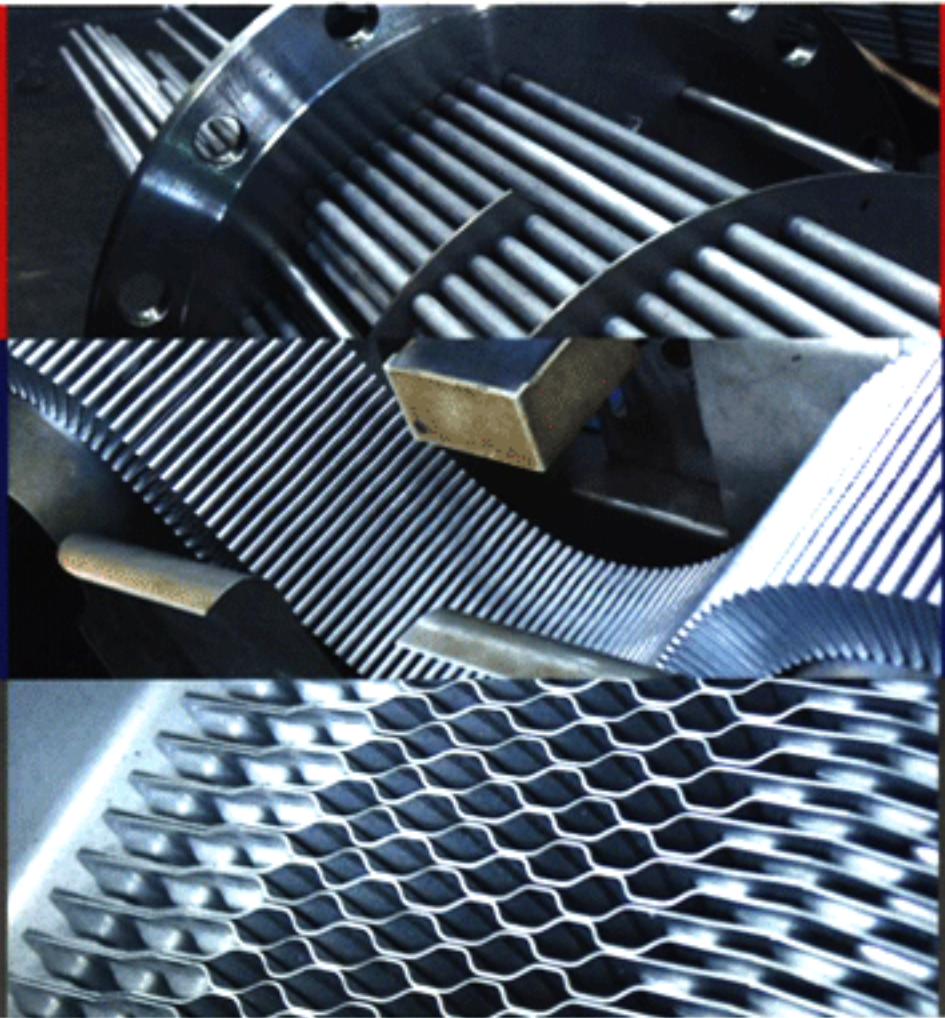


Shell & tube type
Heat Exchanger

Plate-fin type
Heat Exchanger

Plate Heat Exchanger



N-Rise Technology Resources Sdn Bhd
No 19, Jalan 6/2,
Taman Industri Selesa Jaya
43300 Seri Kembangan,
Selangor Malaysia
Tel/Fax : +603 8964 0205
Mobile : +6017 650 4368
Email : Sales_kl@nsltechnology.com

FOSHAN-KAMUI HEAT EXCHANGER CO., LTD.
[Http://www.kamui.com.cn](http://www.kamui.com.cn)
[Http://www.kamui-phe.com](http://www.kamui-phe.com)



Company profile

Foshan-KAMUI Heat Exchanger Co., Ltd., established in 1994 in Foshan City, Guangdong Province, China, is a joint venture corporation between KAMUI Company Ltd., a Japanese famous heat exchanger manufacturer, and Foshan Constant Hydraulic Machinery Co., Ltd., a professional hydraulic machinery manufacturer in South China. KAMUI Company LTD (Japan) is a professional expert with good reputation in producing and selling different types of heat exchangers (i.e. water-cooled, air-cooled, plate heat exchanger and etc) in Japan over 60 years since its foundation in 1960. Through the joint venture corporation, the above three types of exchangers are manufactured in Foshan now and it is better for the company to provide excellent quality products with low prices to global market by utilizing resource in China.

With the advanced production facilities, Foshan-KAMUI Heat Exchanger Co., Ltd. can produce the exchangers based on Japanese technology and product standard strictly, which makes **KAMUI®** maintain a high end brand in its industry and provide the products with high quality widely used in different fields such as machinery, metallurgy, air-conditioning, petroleum, chemical, foodstuff, pharmacy, textile, paper making, power generation, marine, central heating and etc. Now, our heat exchangers cover the markets not only in Japan and China, but also in Europe (i.e. Germany), Russia, Australia, America, Southeast Asia and Middle East.



The shop for Air cooled cooler



Office building



R & D center



The shop for Plate heat exchanger



Spirit of KAMUI_{FS}

We don't forget the ordeal of establishing enterprise, we must have international insight, work for the prosperity of our company and the improvement of our lives and make contribution to customers and society.



JAPAN KAMUI CO.,LTD.



FOSHAN CONSTANT
HYDRAULIC MACHINERY
CO.,LTD.

FOSHAN-KAMUI HEAT EXCHANGER CO., LTD.

is a joint venture corporation



FACTORY DISTRICT 1



FACTORY DISTRICT 2

- 1994 Foshan-KAMUI Heat Exchanger Co., Ltd established on July 18th.
- 1998 Ranked 98th according to the statistic of overall economic efficiency indicator in the enterprises in Chinese machinery industry; Ranked 10th in the heat exchanging industry.
- 1999 Ranked 50th according to the statistic of overall economic efficiency indicator in the enterprises in Chinese machinery industry; Ranked 5th in the heat exchanging industry.
- 2003 Achieved the certificate of GB/T1991-2000 Quality Management System.
- 2004 A 17,908m² new factory founded on 29th of March in National High-tech development district in the west of Foshan city.
- 2006 A 22,592m² new factory founded on 28th of March in National High-tech development district in the west of Foshan city.



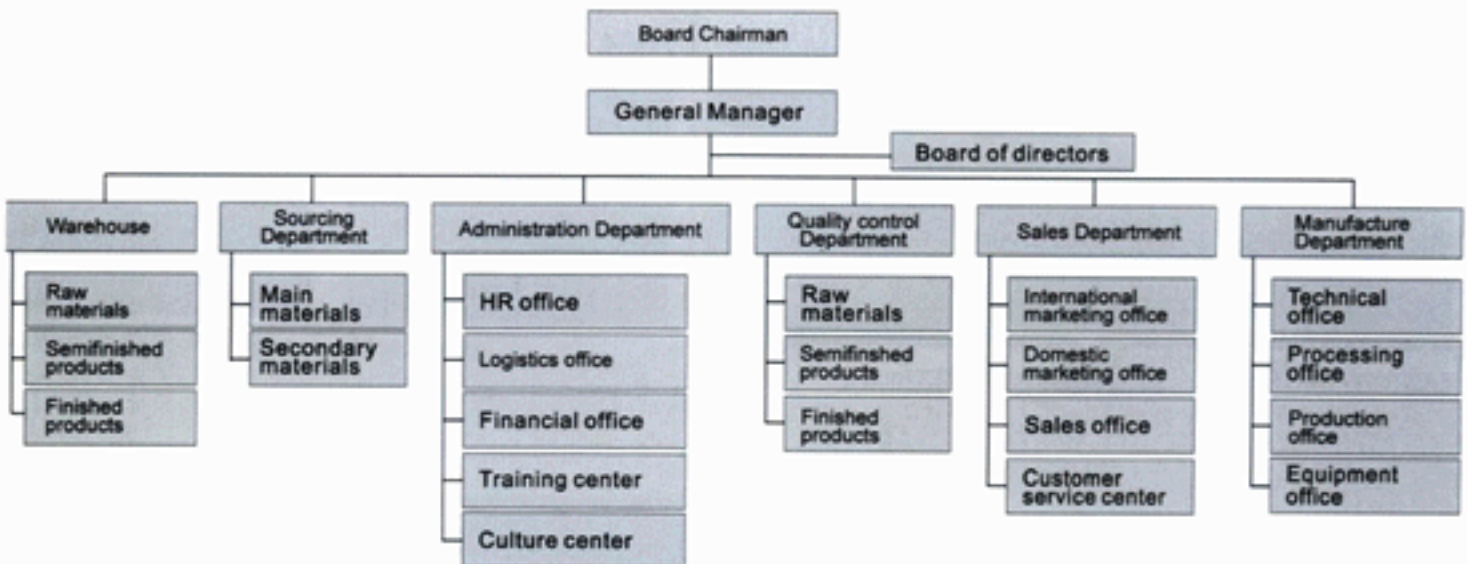
Honors

Honesty and credibility has helped us win over more and more and more key customer at home and abroad. Our customers at home and abroad have awarded us trophies for multiple times as a credit to our quality products, timely delivery and simultaneous development.



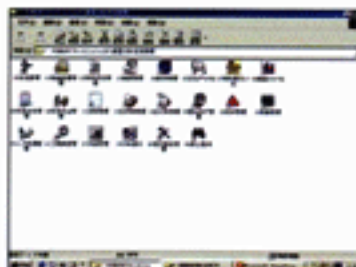
Company Structure

A scientific and proper organization structure can improve the enterprise operation more efficiently and effectively, which can strongly support the development of the company.



An **ERP** system has been used in all ways of the company operation.

Improve organizational logistics, manufacture, sales and decision making, make them more efficient and effective, and ensure the high product quality.





Sales Market

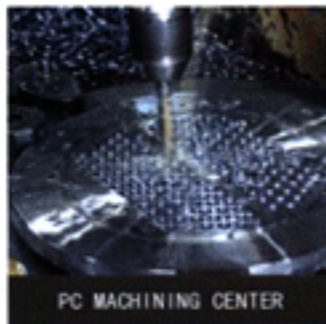


Foshan-KAMUI Heat Exchanger Co., Ltd. is actively developing international business and markets. Up to now, the company has made business contacts with many international famous corporations such as Toshiba Machinery Co., Ltd., Hitachi Machinery Co., Ltd., Mitsubishi Heavy Industry Co., Ltd., HYDAC International Co., Ltd. and NSK Steering Systems Co., Ltd. and etc, and friendly relationships have been built. Our products have been sold to Japan, Russia, Australia, Europe, America, Middle East and Southeast Asia.



Shell & Tube Type Coolers

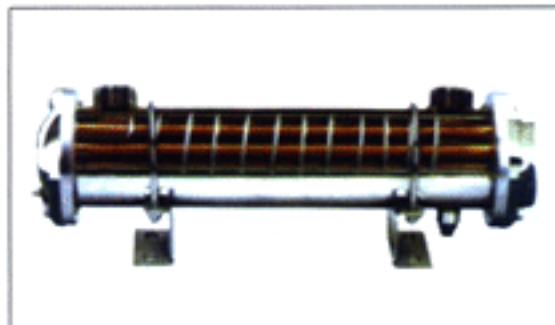
Shell & tube water-cooled heat exchangers are widely used in plastic machinery, air-compressor system, air conditioning system, generator equipment and other industries such as petroleum industry, chemical industry, air separation, textile and nuclear devices.



Main characteristic of SL series

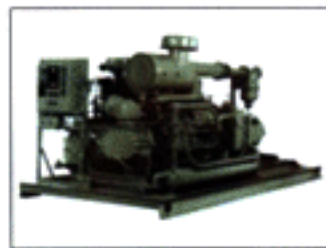
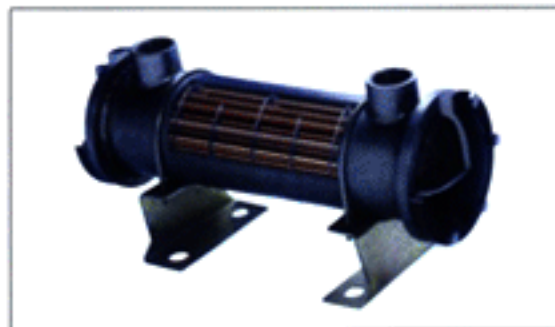
Screw-guide plate lead oil to flow in spiral type, in succession and well-distributed. It overcomes the dead corner of heat exchanging which is made by traditional deflector, so the efficiency of heat transfer is high, the loss of pressure is low.

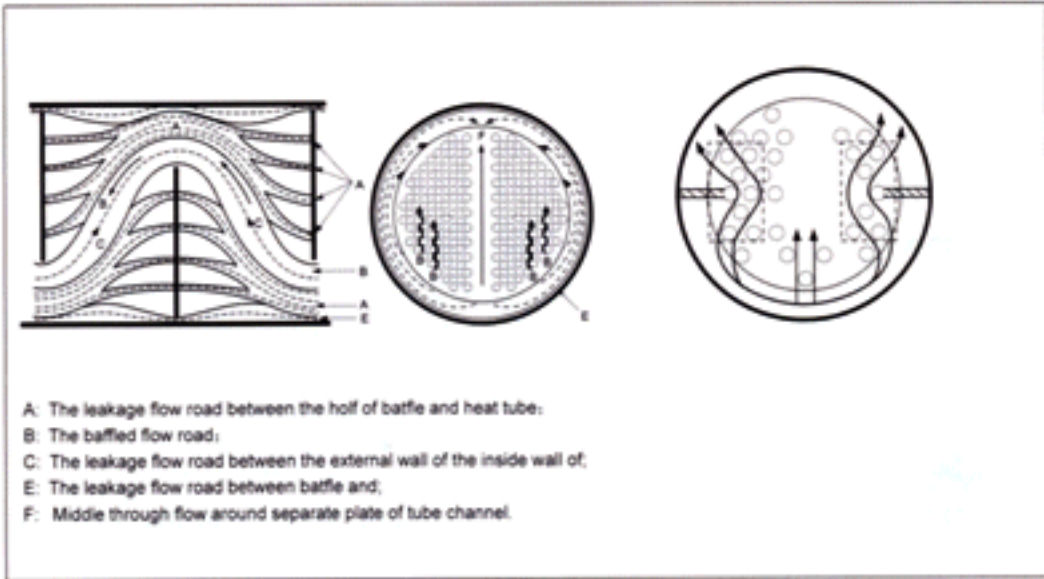
The cooler's tube is made of copper to roll fin outside. The product has a bigger heating surface but little size and weight.



Main characterister of FC (Y) series

The cooler's tube is made of copper to roll fin outside. The product has a bigger heating surface but little size. Suitable for cooling of cleaner fluid in lower viscosity. It can be applied to such industry as plastic machinery, hydraulic equipment, compressor, lubricating system of thin oil and electric device, etc.





Material ---copper 304, 304L, 316,
 316L stainless steel
 Brass, Carbon Steel

Surface

Area-----0.1m²~ 500m²
 Diameter-----3~40B
 Design Temperature-----s500℃
 Design pressure---0~4.0 Mpa

Main Characteristic of BC(Y) series

The heat tube is made of bare one(without rolling fin outside), which have high heat coefficient of membrane outside flow and better ability to resist pollution. suitable for cooling of dirtier fluid and higher viscosity,heat exchanging of water to water and water to air.

We can select stainless steel or special alloy for BC(Y) series according to customer's requirements.They are suitable for heat exchanging in chemical industry. high-temperature medium and sea water, etc.



Main characterisitic of RC series

The heat tube is made of the three-dimensional inside or outside fin. We can select stainless steel or special alloy for RC series according to customer's requirements. They are widely used in water to oil and water to air heat exchanging.





Air cooled Products

The air-cooled type includes F-AN, F-AN-E, F-AOA-A and F-ADC Standard series. They are compact aluminium plate-fin heat exchangers with little noise and high heat transmitting efficiency.

The aircooled products also can be sold to you in various flexible forms(as reuired); ① only core; ② monomial heat exchanger; ③ over unit(include heat exchanger, fan, AC or DC motor, cover shell); ④ mini hydraulic station.

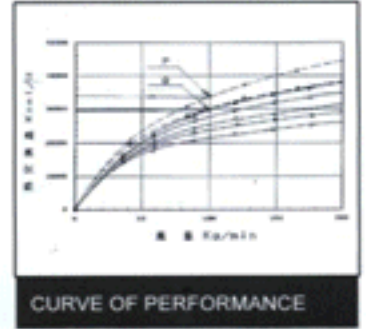


DESIGN THE COOLER



HANDBOOKS FOR DESIGN

CALCULATING PAPER



CURVE OF PERFORMANCE

Superiority

The outside cooling air fin type is the key for aircooled cooler.KAMUIfs' special louvered and serrated fin of height is 19mm.The markets have proved that it has superiority with bigger surfaces and less Δp . We also have developed the unit with valve by-pass and the unit with spraying jets.

Process and Equipments

The vacuum furnace with Leybold oil diffusion pump , the forming fin machines (includes press and rolling type), automatic cleaning & drying line with ultrasonic wave, assembleres for core, half-automatic T.I.G and so on, all equipments above are assure the quality of products to customers.

Quality Contral

KAMUIfs has been granted ISO 9001 ver.2000.So,in many steps, just like: contraling the precision of height & pitch for fin, the temperature ,cycle and consistency in cleaning line, the precision of core assembly, temperature and vacuum during brazing; hydraulic and leakage test for products, fatigue test and vibration test, all these above are assure the quality of every products.

Press the fin



Rolling the fin



Cleaning line



Assembly



Vacuum Furnaca



T.I.G



Application

Because the source of water for human is less and less, so the air cooled cooler is more and more suitable selection for customers. Standard series and special products are widely used for:



Control the height of fin



Control the screw



Control the humidity



Leakage test for every cooler



Fatigue tester



Vibration tester

Mobile Applications

Agriculture

Harvester
Mover
Forestry Machine

Construction Equipment

Excavator
Construction Vehicle
Roller
Concrete Equipment
Crane
Shovel

Transport

Lifting and Conveying Equipment
Train
Motor Cycle
Bus
Truck

Stationary Application

Power & Energy

Compressor
Generator
Wind-force Power Station
Transformer

Processing Equipments

Steel Works
Aluminium Works
Sawmill
Papermill
Petroleum Chemical

Industry

Production Equipment
Machinery
Press
Transmission
Air Separation Equipments

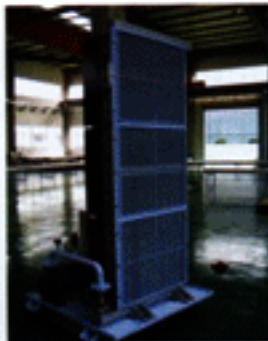
Other

Radar
Escatator
Hydraulic System
Elevator
Nucleus Power
Spaceship

Compressor's oil and after cooler



Hydraulic oil cooler system



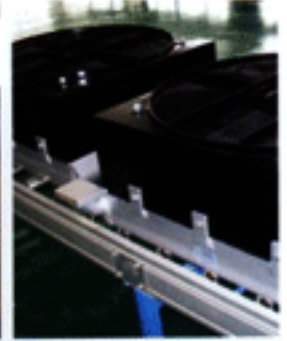
Unit for oil cooling system (standard)



Unit for oil cooling system



Cover shell





Technical Data of Plate Heat Exchanger

Plate type	Max. volume flow rate(m ³ /h)	Single heat transfer area (m ²)	Max heat area of single PHE (m ²)	Max working pressure(MPa)	Main dimensions (mm x mm x mm)		Center distance between connections	Connection size(mm)	
FKE004	20	0.04	4	1.6	330-550	250	545	374×85	DN32
FKE008	50	0.08	8	1.6	200-500	380	665	380×180	DN70
FKE018	60	0.18	18	1.6	480-775	400	1060	678×180	DN70
FKE02	40	0.23	30	1.6	320-740	425	1210	865×180	DN65
FKE03	170	0.3	60	1.6	895-1745	626	1240	840×225	DN100
FKE03T	250	0.32	60	1.6	860-1810	519	1385	945×236	DN125
FKE03F	70	0.33	33	1.6	665-885	400	1530	1176×180	DN70
FKE05	250	0.5	100	1.6	1100-2200	610	1610	1200×300	DN125
FKE08B	700	0.813	400	1.6	1480-4060	910	1950	1305×340	DN200
FKE08	400	0.8	380	1.6	1230-3130	880	1980	1315×350	DN200
FKE10L	25000/520	1.0	400	1.6	1688-4058	1160	2650	1627.5×497.5	DN350/DN175
FKE13	1100	1.3	600	1.6	1660-4260	1225	2905	1800×530	DN250
FKE16	2250	1.6	750	1.6	1665-4265	1225	3125	1960×470	DN300

PLATE HEAT EXCHANGER

A ten-thousand-ton plate press is applied in the production line, which makes the forming of large size plates with high qualities.

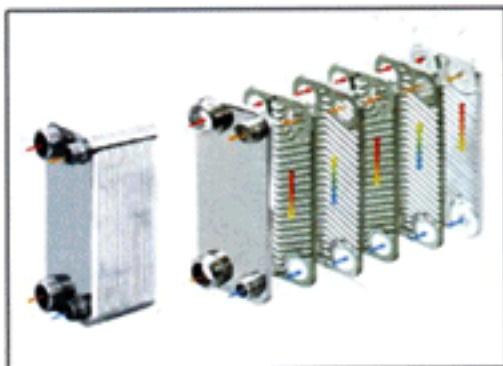
With the strength of products manufacturing and developing and various types of plates, our heat exchangers can be suitable for different working conditions.

With over 40 years experience working in the heat exchanger industry, we can offer appropriate solutions to our customers based on different working conditions.



Technical Data of Brazed Heat Exchanger

Plate type	Max. volume flow rate(m ³ /h)	Single heat transfer area (m ²)	Max. heat area of single PHE (m ²)	Max working pressure(MPa)	Main dimensions (mm x mm x mm)		Center distance between connections	Connection size(mm)	
B3-12A	4	0.012	0.7	3	2.24N+20	73	191	154×40	7/8"
B3-12B	4	0.012	0.7	3	2.24N+20	73	191	154×40	7/8"
B3-14A	8	0.014	0.8	3	2.24N+20	86	196	156×46	7/8"
B3-14C	4	0.014	0.8	3	2.24N+20	73	208	172×42	7/8"
B3-23A	4	0.023	1.3	3	2.24N+20	73	315	278×40	7/8"
B3-23B	4	0.023	1.3	3	2.24N+20	73	315	278×40	7/8"
B3-27	12	0.027	3.2	3	2.34N+40	116	286	234×63	1+3/8"
B3-32	12	0.027	3.2	3	2.34N+40	116	286	234×63	1+3/8"
B3-52	12	0.052	6	3	2.34N+20	112	526	466×50	1+5/8"
B3-95	35	0.095	19	3	2.34N+55	191	616	519×92	2+1/8"
B3-65	15	0.065	8	3	3N+40	177	410	330×89	1+5/8"

**BRAZED HEAT EXCHANGER**

Brazed heat exchangers are mainly made up of a series of waved sheets between the front and back blinds, which include seal sheets, seal rings and blind sheets. The linking can be made according to the specific requirements of the market and the application area. During the process of vacuum welding, each joint between the sheets and the packing (solders) will form a weld point. Seal sheets are used in the gap between seal blind sheets and first or the last passage sheet.

Heat exchanger application field

Chemical
Iron & steel
Non-ferrous Metal
Machinery
Foodstuff
Sugar Refining
Textile
Power Making
Central Heating
Oil & Grease
Marine
Medicine
Air-Conditioning
Others

KAMUI[®]

FOSHAN-KAMUI HEAT EXCHANGER CO.,LTD.

Add 231 Lianjiang Road Chancheng Area
Foshan city Guang-dong P.R.China

Post code: 528000

Plate-fin type / Shell & tube type heat exchanger Sales office

Tel: 0757-82100062 (Plate-fin type heat exchanger)

0757-82100063 (Shell & tube type heat exchanger)

Fax: 0757-82100060

Http://www.kamui.com.cn

E-mail: fskamui@pub.foshan.gd.cn

Plate heat exchanger Sales office

Tel: 0757-83618183

Fax: 0757-88331902

Http://www.kamui-phe.com

E-mail: sales@kamui-phe.com

JAPAN KAMUI CO.,LTD.

Add Kikuei Bldg. 2-7-8 Shinjomi Chuo-ku, Tokyo 104-0041

Http://www.kamui.co.jp

FOSHAN CONSTANT HYDRAULIC MACHINERY CO.,LTD.

Add 66 Guosh Road Chancheng Area

Foshan city Guang-dong P.R.China

Http://www.cstpmc.com

www.nsltechnology.com



N-Rise Technology Resources Sdn Bhd
No 19, Jalan 6/2,
Taman Industri Selesa Jaya
43300 Seri Kembangan,
Selangor Malaysia
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Email : Sales_kl@nsltechnology.com