



2024

Shenzhen Halnziye Electronics Co.,Ltd.



Company Introduction

Brand Promotion Product Details
Company Culture

CATALOG



COMPANY



PRODUCT



CUSTOMER



CONTACT

01

Halnziye®

Make Your Cooling Life

COMPANY



Company Introduction

Shenzhen Halnziye Electronics Co., Ltd.

深圳市华能智研电子有限公司

We, Shenzhen Halnziye Electronics Co.,Ltd. , are specialized in Silicone Based Thermal Interface Materials(TIM)(thermal paste, thermal putty, thermal gel etc.) manufacturer in China over 15 years. We devote to provide the best thermal interface materials and cooling solution to the customers all over the world. To slove heating problem of the electronics products.





Team Introduction

Shenzhen Halnziye Electronics Co., Ltd.
深圳市华能智研电子有限公司



Professional

Aspiring

Innovation

Dedicated



Our Team



Team is especially appropriate for conducting tasks that are high in complexity and have many interdependent subtasks.

Professional -- Work together more than 10 years with the customers from PC&Heatsink&LED Lighting industris.

Innovation--Innovation is the life of us,we are trying to develope better and more high performance products.

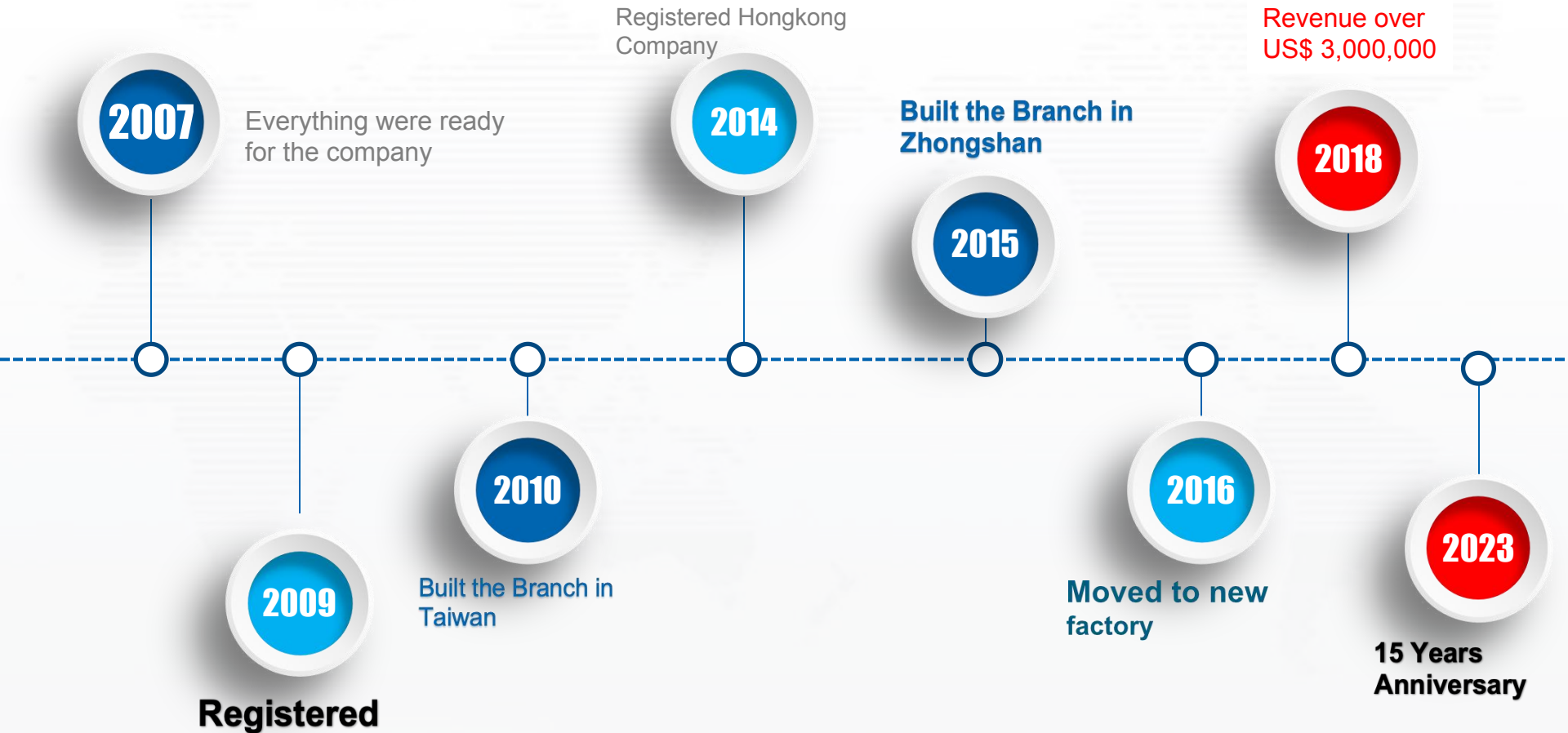
Dedicated--We will endeavor to make its contribution to the industry development and the rise of national enterprises with more careful market analysis, more humanized products and constantly improved service.

Aspiring--We have a dream--to be the super TIM manufacturer and contribute more to society



Development Course

Shenzhen Halziye Electronics Co., Ltd.
深圳市华能智研电子有限公司





Corporate Events

Shenzhen Halnziye Electronics Co., Ltd.
深圳市华能智研电子有限公司

2009

Established on
Sept. **2009**

2010

Built website and
registered the
brand "HALNZIYE"
on **2010**

2014

Built the branch of
Zhongshan city on
Mar. **2014**

2015

Turnover is 12
million on Dec.
2015

2017

Launched the New
Nano Tech high
performance thermal
grease HY883 on
Sept. **2017**

2019

Launched HY-P13,
HY-P11 extrem
performance products
on Mar. **2019**

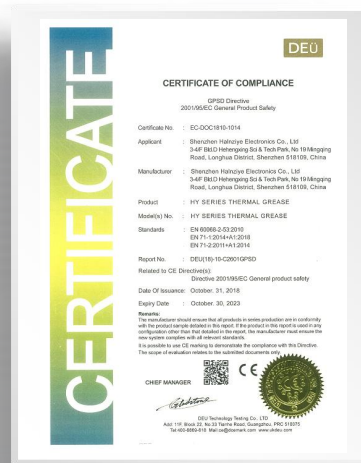
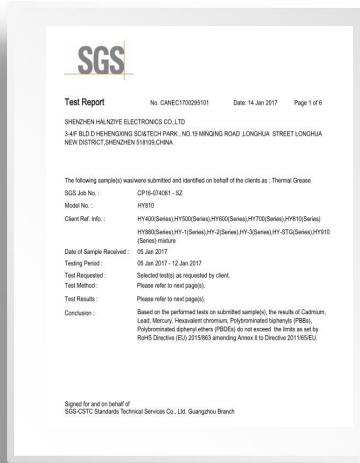
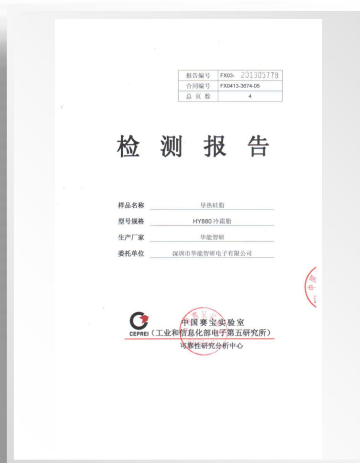
2022

Launched HY-P15
extreme thermal
paste on Jun. **2022**



Technology Resources

Shenzhen Halnziye Electronics Co., Ltd.
深圳市华能智研电子有限公司



1. Thermal Grease First Producing Standard in China
2. Test Report from authoritative lab--CEPREI
3. RoHS&SVHC Certificate from SGS
4. CE Certificate





Own Resources

Shenzhen Halziye Electronics Co., Ltd.
深圳市华能智研电子有限公司



**Turnover
of the year**

**3.5 Million
US\$**



Branches

Three



Employees

Sixty



Agents

Twenty



Core Tech

Twelve

02

Halnziye®
Make Your Cooling Life

Product

ENTERPRISE PRODUCTS



Full Products

Shenzhen Halnziye Electronics Co., Ltd.

深圳市华能智研电子有限公司

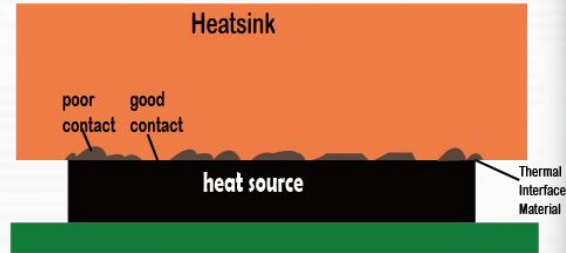




Working Principle

Thermal Grease is also named with thermal paste, thermal compound or heatsink compound
Main materials are silicone oil and metal oxide, it is good material for heat transfer

3 keys: heat source, TIM, heat sink



1. Smaller particles mean better in theory, because small particles powder will be good connect when mixed by silicone oil, and also good filler for the gaps
2. Best thickness is 0.13~0.15mm, a very thin layer
3. Thermal conductivity is the key data for thermal interface materials



As smooth as the metal surface may feel, it is not smooth in fact. There are still small gaps, heat sink and heat source are not contact 100% of the surface. You need good filler to fill the small gaps and transfer heat from the heat source to heat sink. Thermal Interface Materials (thermal grease & thermal pad & thermal glue etc.) are the exact materials to do so.



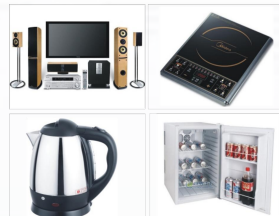
Applications



CPU&GPU



LED and Power Supply



Home Appliances

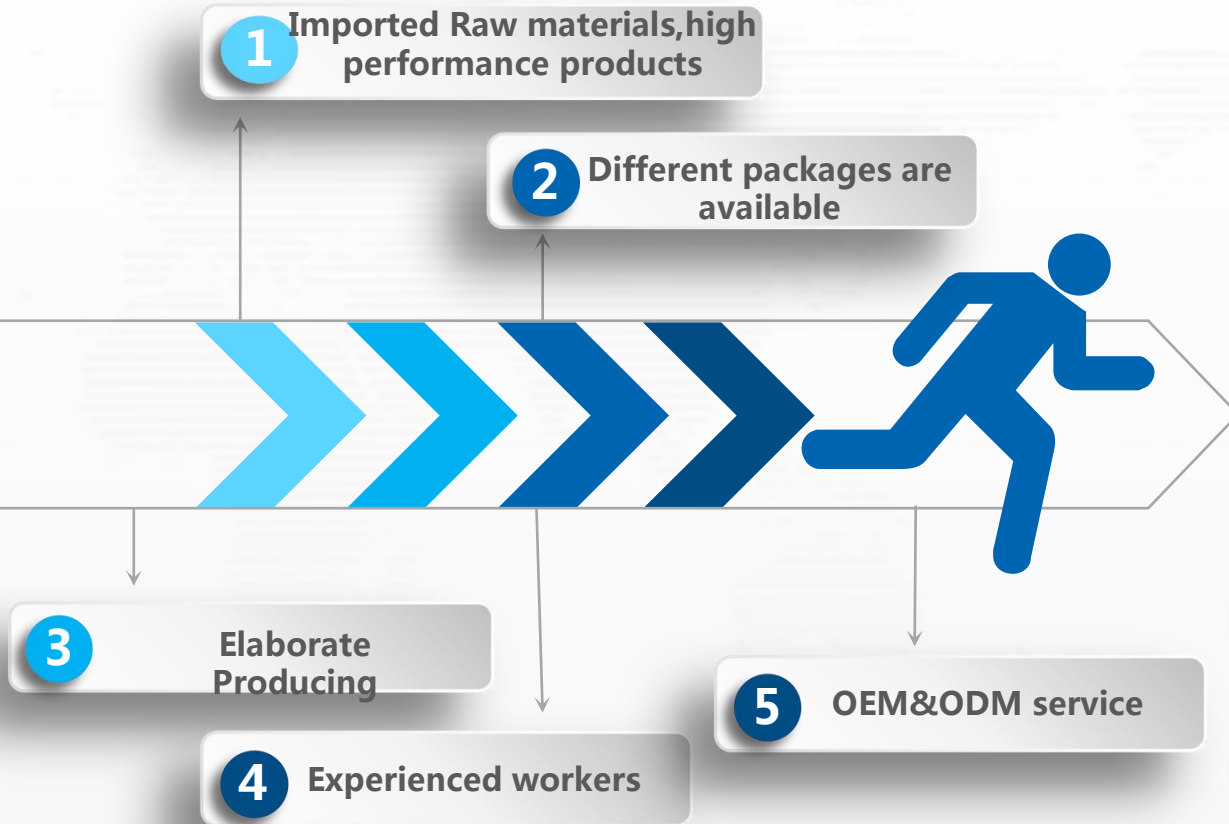


Other Electronics Components



Our Advantage

Shenzhen Halnziye Electronics Co., Ltd.
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All of the silicone oil import from ShinEtsu Japan, 60% of other

materials are imported, best thermal paste thermal conductivity from **1.42~16.1W/m-K**

Provide different TIM products with different packages for different industries

grinding, stirring, vacuumized etc., control each step very well

Engineer working experience more than 20 years

Senior OEM&ODM service provider



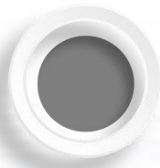
Product Overview

Shenzhen Halnziye Electronics Co., Ltd.
深圳市华能智研电子有限公司



■ HY400 Series

HY400 White Thermal Grease



■ HY700 Series

HY700 Silver Thermal Grease



■ HY500 Series

HY500 Grey Thermal Grease



■ HY810 Series

HY810 Grey Thermal Grease



■ HY600 Series

HY600 Gold Thermal Grease



■ HY880 Series

HY880 Grey Thermal Grease



■ HY-P Series

Extreme Thermal Grease



■ HY200/HY300 Series

HY200 Thermal Putty

HY300 Thermal Gel



Cost Effective Products

Shenzhen Halnziye Electronics Co., Ltd.
深圳市华能智研电子有限公司



HY400 Series

HY410 1.42W/m-k

HY420 1.63W/m-k

HY430 1.84W/m-k

HY450 2.15W/m-k



HY500 Series

HY510 1.93W/m-k

HY520 2.3 W/m-k

HY530 2.5 W/m-k

HY550 2.7 W/m-k

HY400 white thermal grease and HY500 grey thermal grease are good cost effective version. Thermal Conductivity is below 3.0W/m-K. Good performance for LED&Solar products&home appliances etc.



HY600&HY700 for Computer&Laptop

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深圳市华能智研电子有限公司



HY600 Gold thermal grease is special for computer&laptop. It maintains “gold” power, very good performance when you use it

HY700 silver thermal grease, color like the Arctic Silver 5, and it is very popular in North America market, good choice for normal laptop and notebook.



HY810&HY880 High Performance Product

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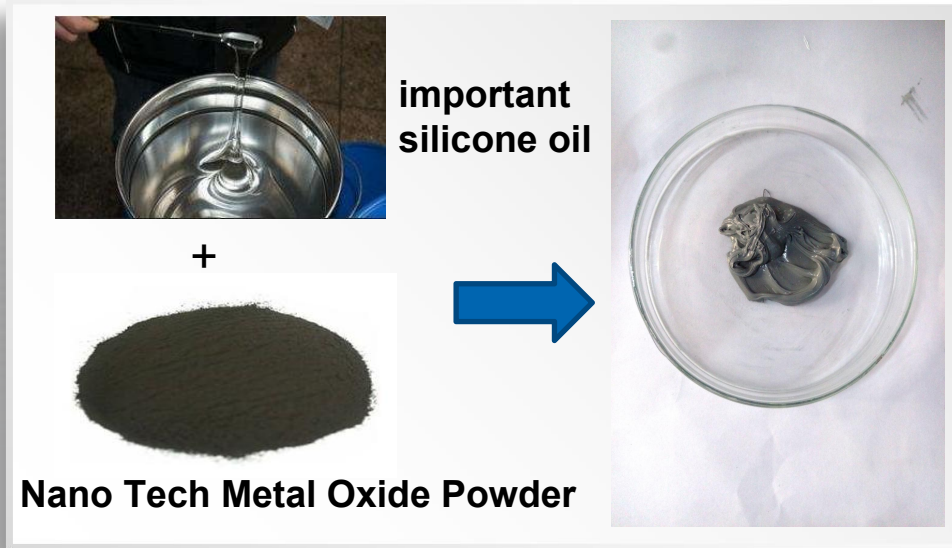
HY810 Series(3.0W/mk ~ 4.63W/mK) and HY880 Series(5.15 ~ 6.5W/mK) Grey thermal grease are high performance products,work very well on high power LED,GPU and precision instrument. Good replaced products for ShinEtsu and Dow Corning thermal greases



HY883 High Performance Product

Shenzhen Halnziye Electronics Co., Ltd.
深圳市华能智研电子有限公司

HY883 Super Nano Tech Thermal Grease



HY883 is new thermal grease with high thermal conductivity 6.5W/m-K and ultra-low thermal impedance. Imported nano tech raw materials from ShinEtsu with special grinding, stirring, vacuumized, perform very well on gaming PC

Item	Data
Model	HY883
Thermal conductivity	6.5W/m-K
Thermal Impedance	$< 0.00018^{\circ}\text{C}\cdot\text{in}^2/\text{W}$
Specific Gravity	$2.35\text{g}/\text{cm}^3$
Working Temperature	$-30\sim 150^{\circ}\text{C}$
Thixotropic Index	300 ± 10 1/10mm



Extreme Performance Products

Shenzhen Halnziye Electronics Co., Ltd.
深圳市华能智研电子有限公司

Extreme performance thermal grease for high-end gaming devices & overclocking & water cooling

HY-T1--thermal conductivity 8.3W/m-K

HY-A9--thermal conductivity 11.0W/m-K

HY-P11--thermal conductivity 11.8W/m-K

HY-P13--thermal conductivity 13.4W/m-K

HY-P15--thermal conductivity 15.2W/m-K

HY-P16--thermal conductivity 16.1W/m-K



Extreme Performance Products

Shenzhen Halziye Electronics Co., Ltd.
深圳市华能智研电子有限公司



Extreme performance thermal pastes for overclocking, liquid cooling, high-end gaming devices



Retail Packages



We can provide several kinds of retail packages for the customers,blister card,OPP bag, paper box,gift box etc., such retail packages are selling very well,most of the **OEM&ODM** customers use them.



HY200 Silicone Thermal Putty

Shenzhen Halziye Electronics Co., Ltd.
深圳市华能智研电子有限公司



HY200(HY204, HY206 and HY208) series Silicone Thermal Putty, thermal conductivity from 4.0 to 8.0 w/mk. You can also call it “Thermal Paste”, but much thicker. It is perfect for ASIC Mining machine, GPU RAM and Smart phone machine, replacing Thermal Pad. Pink & Blue & Green & White & Black colors and 1g~1000g containers are available.



HY300 Silicone Thermal Gel

Shenzhen Halziye Electronics Co., Ltd.
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HY300 series Silicone Thermal Gel, thermal conductivity is 3.0 w/mk. It is original from thermal paste, but different colors available -- Pink & Blue & Green & White & Black. It is good for smart phone CPU.

03

Halnziye®
Make Your Cooling Life

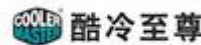
Customers



Business Partner

Shenzhen Halziye Electronics Co., Ltd.
深圳市华能智研电子有限公司

1. PC&HEATSINK CUSTOMERS :



2. LED Lighting Industry



3. Others



04

Halnziye®
Make Your Cooling Life

Contact



Contact Us

Shenzhen Halnziye Electronics Co., Ltd.
深圳市华能智研电子有限公司



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Thank You