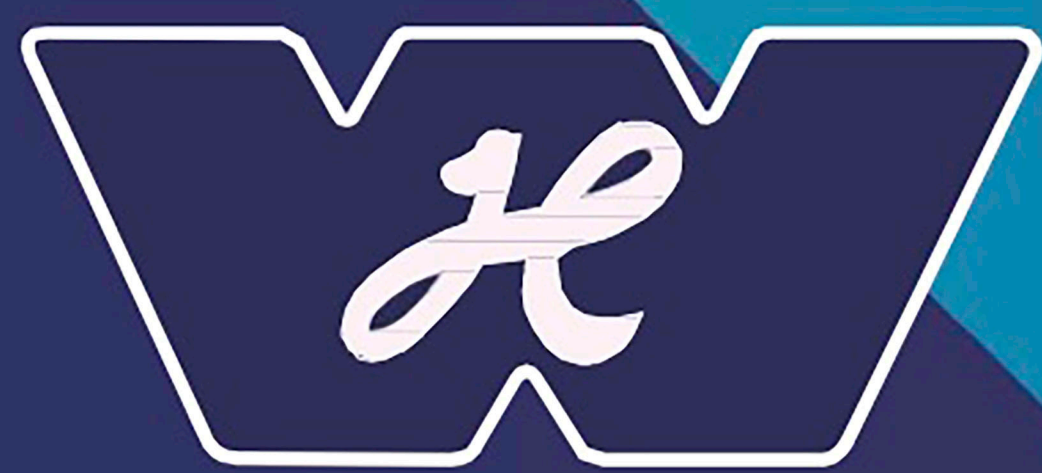


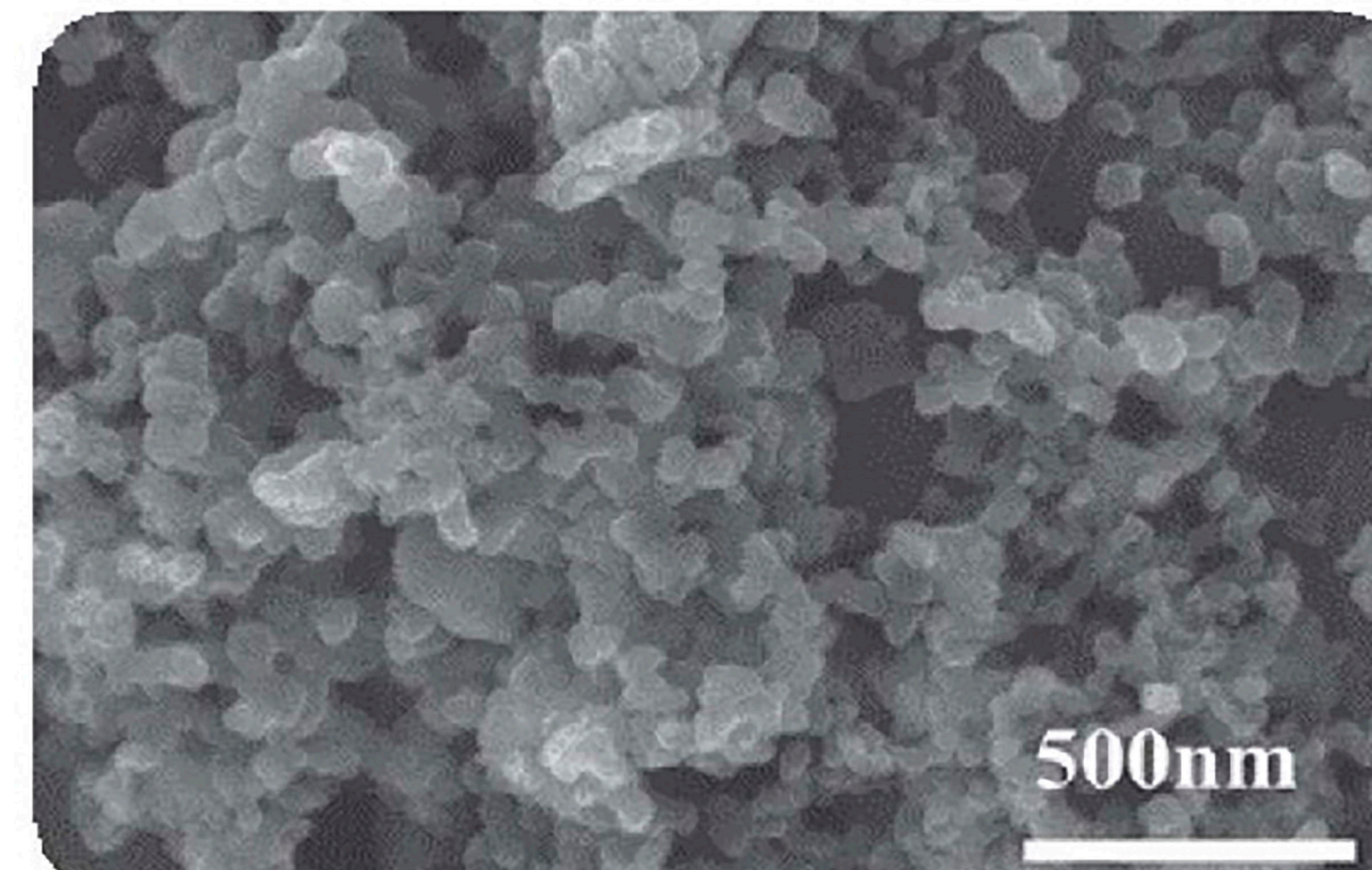
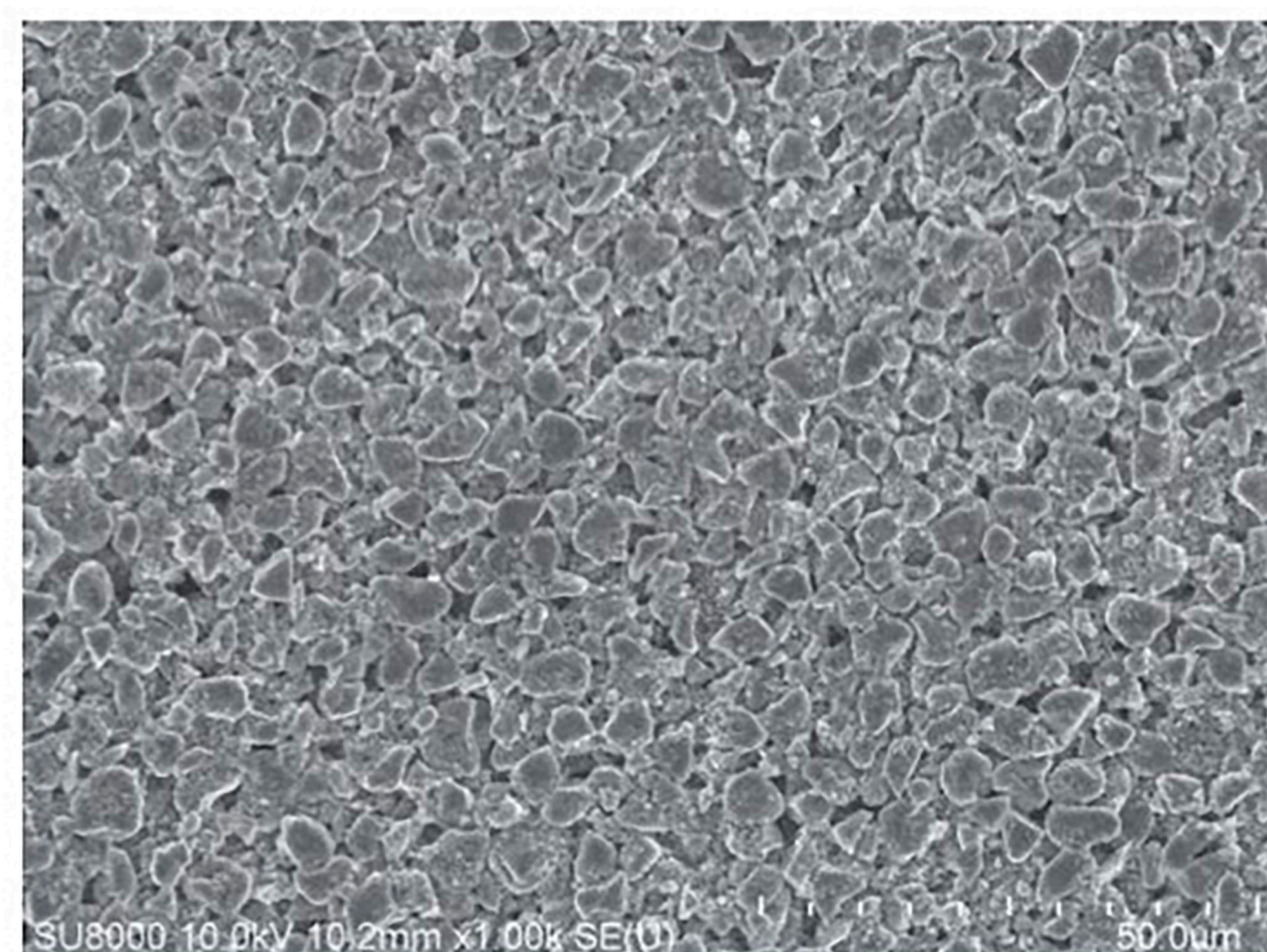


華宏新技股份有限公司

WAH HONG INDUSTRIAL CORP.

鋰電池材料開發

- 鋰電池應用矽碳負極材料：具備高電容量(>400mAh/g)。
Silicon-Carbon Anode Material for Lithium Batteries: features high capacity (>400mAh/g)
- 鋰電池 LFP 正極材料：高循環壽命(>6000Cycle)。
LFP Cathode Material for Lithium Batteries: offers high cycle life (>6000 cycles)



鋰電池模組應用

- 無人機電池組，可依照客戶需求，專屬客製化優勢。
Custom drone battery packs tailored to customer requirements.
- 無人機電池組應用 7.4V~51.8V/4.5A~36Ah、Max.1864.8Wh。
Drone battery packs: 7.4V-51.8V/4.5A~36Ah, with a maximum of 1864.8Wh.
- 高容量、滿足快充需求、高 C-Rate 放電能力，台灣組裝製造優勢 MIT。
High capacity, fast charging capability, high C-Rate discharge ability, and Made in Taiwan.



- 電動機車、腳踏車應用電池 25Ah、48~60V。
Batteries for electric motorcycles and bicycles: 25Ah, 48-60V.



華宏新技股份有限公司
WAH HONG INDUSTRIAL CORP.
www.wahhong.com

總公司
高雄市中正四路235號11樓之6
電話：07-971-7777 傳真：07-971-7787

Headquarter
11F.-6, No. 235, Chung Cheng 4th Road, Kaohsiung, Taiwan, R.O.C
Tel: +886-7-971-7777 Fax: +886-7-971-7787





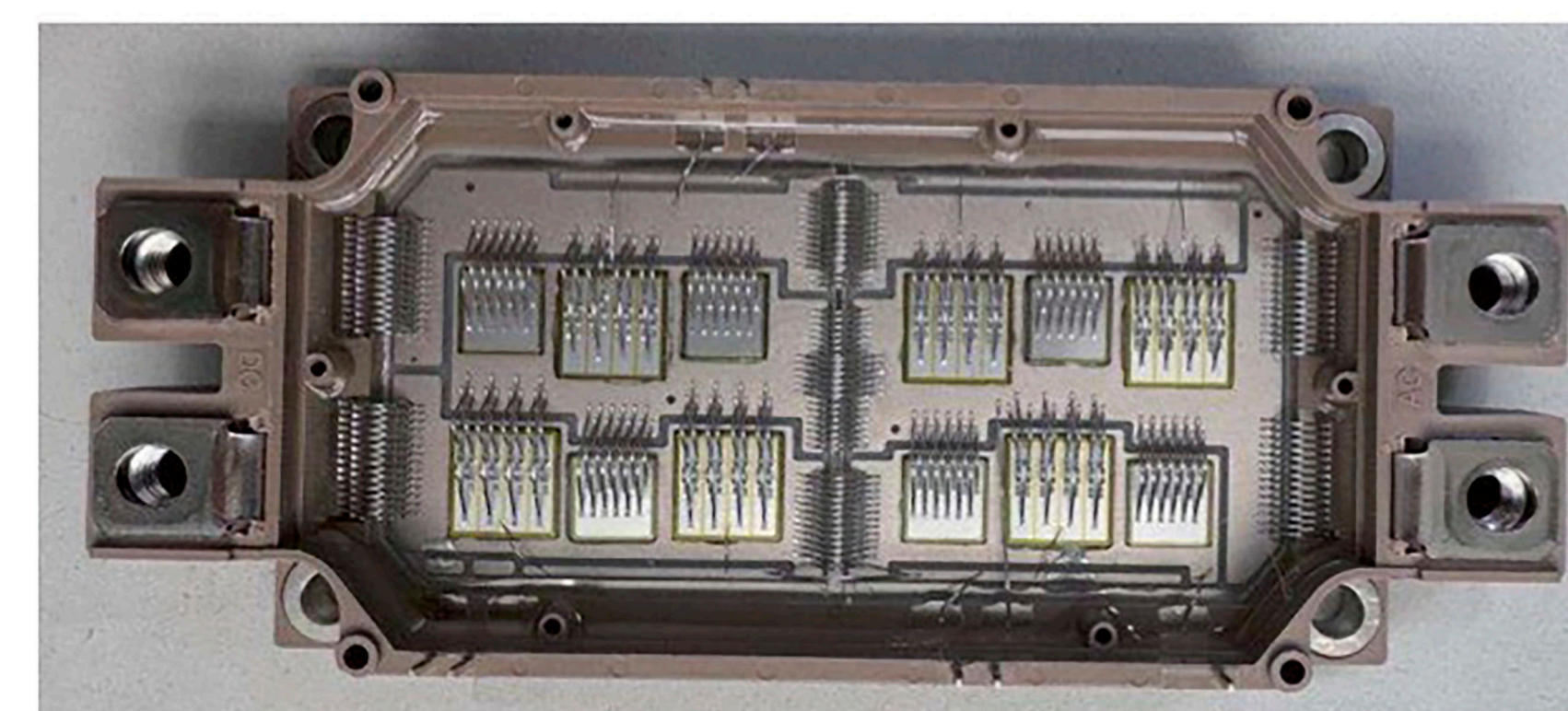
環氧導熱封裝膠 Power Module Packaging Materials

- 具有高導熱、高耐熱、低膨脹係數、低黏度等特性；應用於 IGBT & MOSFET (600V~1200V) 功率模組及高轉速高電壓之馬達電機設計；同步提供以上產品封裝代工。本產品的固化後擁有優良的機械強度和出色的電器絕緣性，並廣泛運用於黏合發熱的電子產品、散熱片或金屬外殼且能隱藏高科技電路中包含的智慧財產權。

Power module packaging materials include a thermal conductive epoxy encapsulant that features high thermal conductivity, high heat resistance, a low expansion coefficient, and low viscosity.

This Material is used in IGBT and MOSFET (600V-1200V) power modules, in high-speed, and high-voltage motor designs. Wah Hong also provides packaging services for these products.

After curing Material exhibits excellent mechanical strength and superior electrical insulation. It is widely used to bond heating electronic products, heat sinks, or metal casings and can conceal customers high-tech IP and design.



工業技術研究院
Industrial Technology
Research Institute

iTreePACK

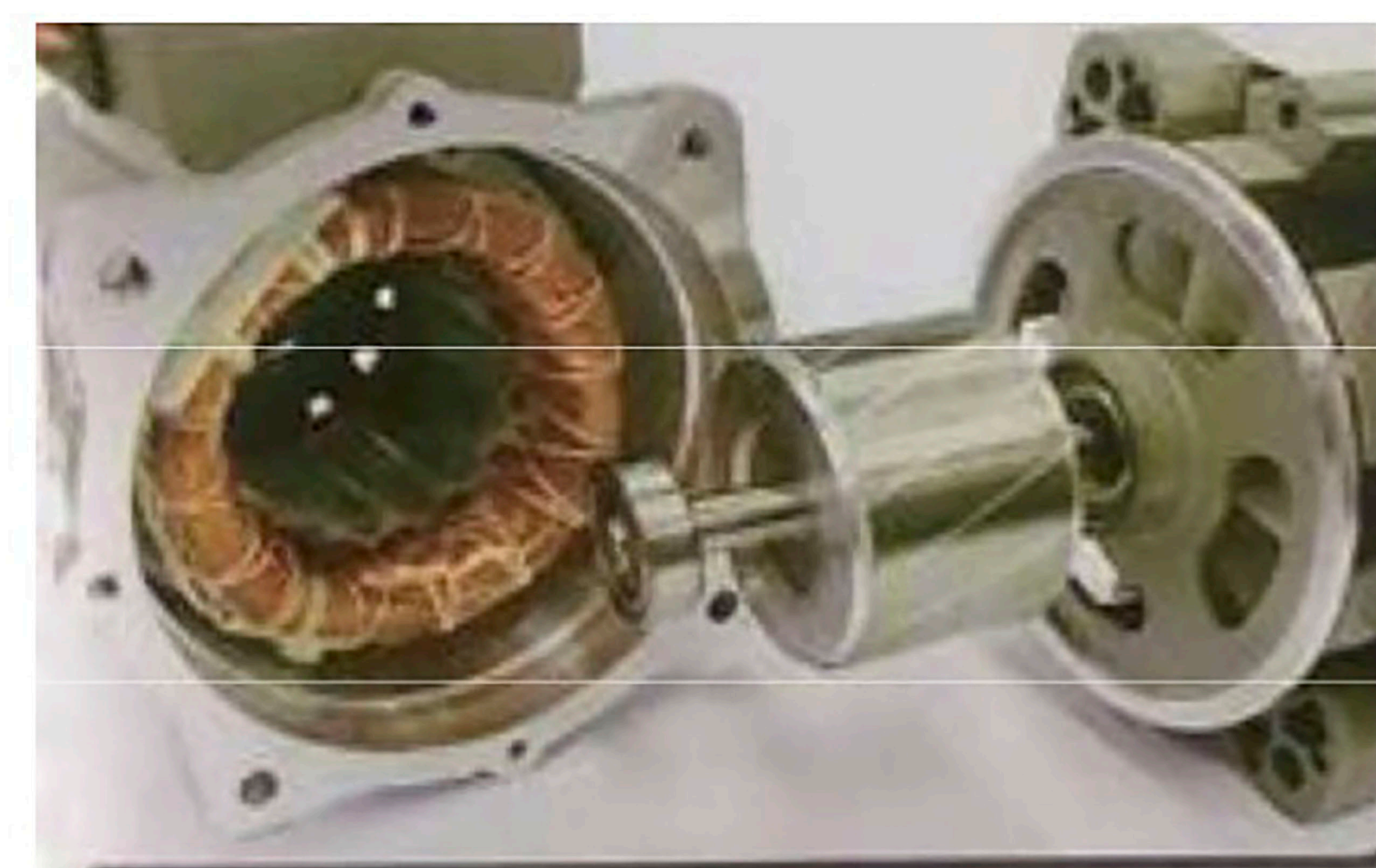
環氧導熱封裝膠 Motor Potting Encapsulation Materials

- 灌注馬達定子用環氧樹脂無機物粉體的混合膠材,具有高導熱、高耐熱、低膨脹係數、低黏度等特性,對金屬、塑材、玻璃等良好接着特性,具有良好的操作範圍、耐高溫、耐抗折的特性、高硬度、耐化性佳。

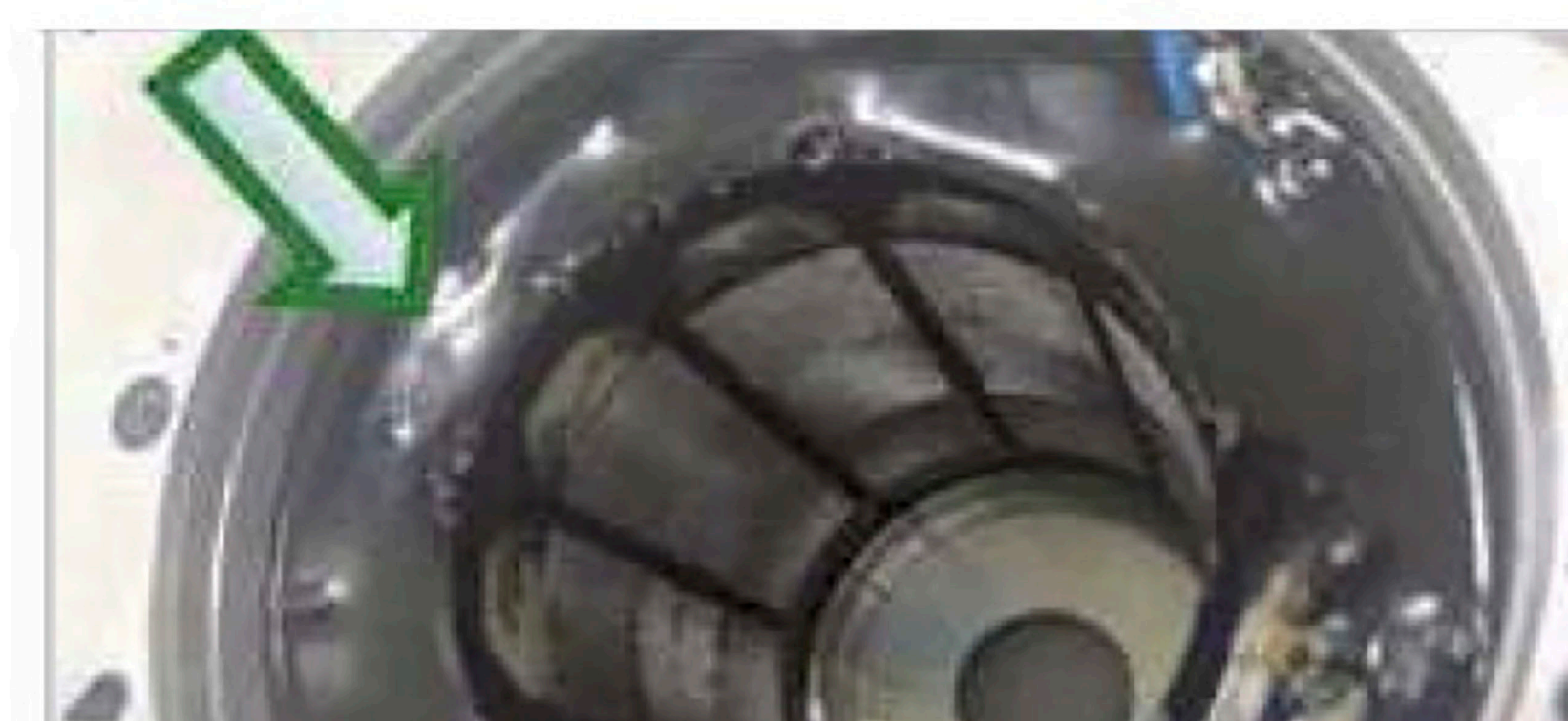
Thermal Conductive Epoxy Adhesive features include high thermal conductivity, high heat resistance, a low coefficient of expansion, and low viscosity. This material is used in the composite of epoxy resin inorganic powder for motor stator potting. It offers excellent adhesion properties to metals, plastics, and glass, a wide operational range, high temperature resistance, excellent flexural strength, high strength, and excellent chemical resistance.

ITEMS	UNIT	WH-TCE301	WH-TCE204
Viscosity (25°C)	PaS (1000cps)	25 (S29,5rpm)	65 (S29,2.5rpm)
conductivity K	W/m*K	1.1	2.06
Tg	(°C)	220	200
Specific gravity	g/cm3	1.93	2.08
CTE1(50-100°C)	ppm/°C	26	<30
CTE2(230-240°C)	ppm/°C	71	125
Flexural strength	MPa	81	89
Flexural modulus	GPa	15	20
Dielectric strength	kV/mm	15-16	8-9

Before



After



華宏新技股份有限公司
WAH HONG INDUSTRIAL CORP.
www.wahhong.com

總公司
高雄市中正四路235號11樓之6
電話: 07-971-7777 傳真: 07-971-7787

Headquarter
11F.-6, No. 235, Chung Cheng 4th Road, Kaohsiung, Taiwan, R.O.C
Tel: +886-7-971-7777 Fax: +886-7-971-7787

