NEWSheet















Lightweight Reduce weight by more than 1/3 compared to aluminum alloy





Modular production Creates quality consistency









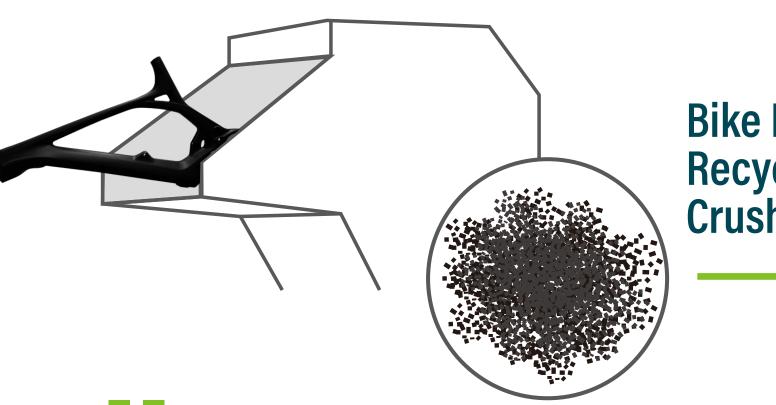




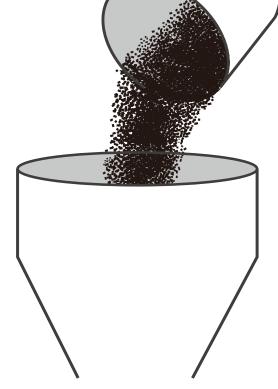
Applying special process, forming from tape to sheet to surface.

Combining automated robotic arms to assemble.





Bike Frame Recycling and Crushing



Remanufacture

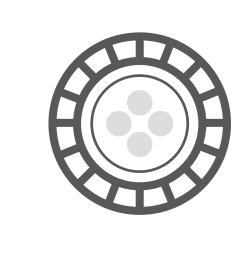
Plastic Pellets



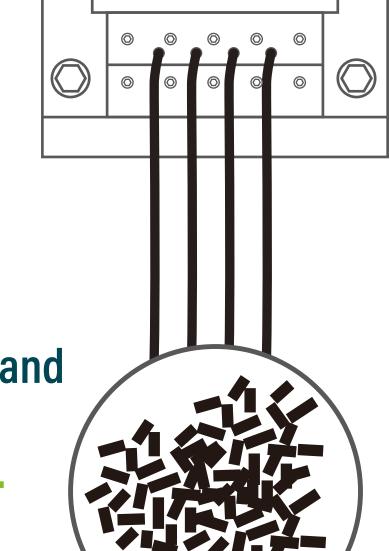
Environmentally Friendly Recycling

Carbon fiber reinforced thermoplastic composite

Has the advantages of recyclability, diversified processing and molding, reuse, reduction of process energy consumption, and rapid production, which is quite in line with the current trend of environmental protection.



Injection Molding and Remanufacturing





Environmentally Friendly Recycling







To guarantee the quality requirements such as the centre of gravity and balance of the bicycle.

The frame was made of

Metals

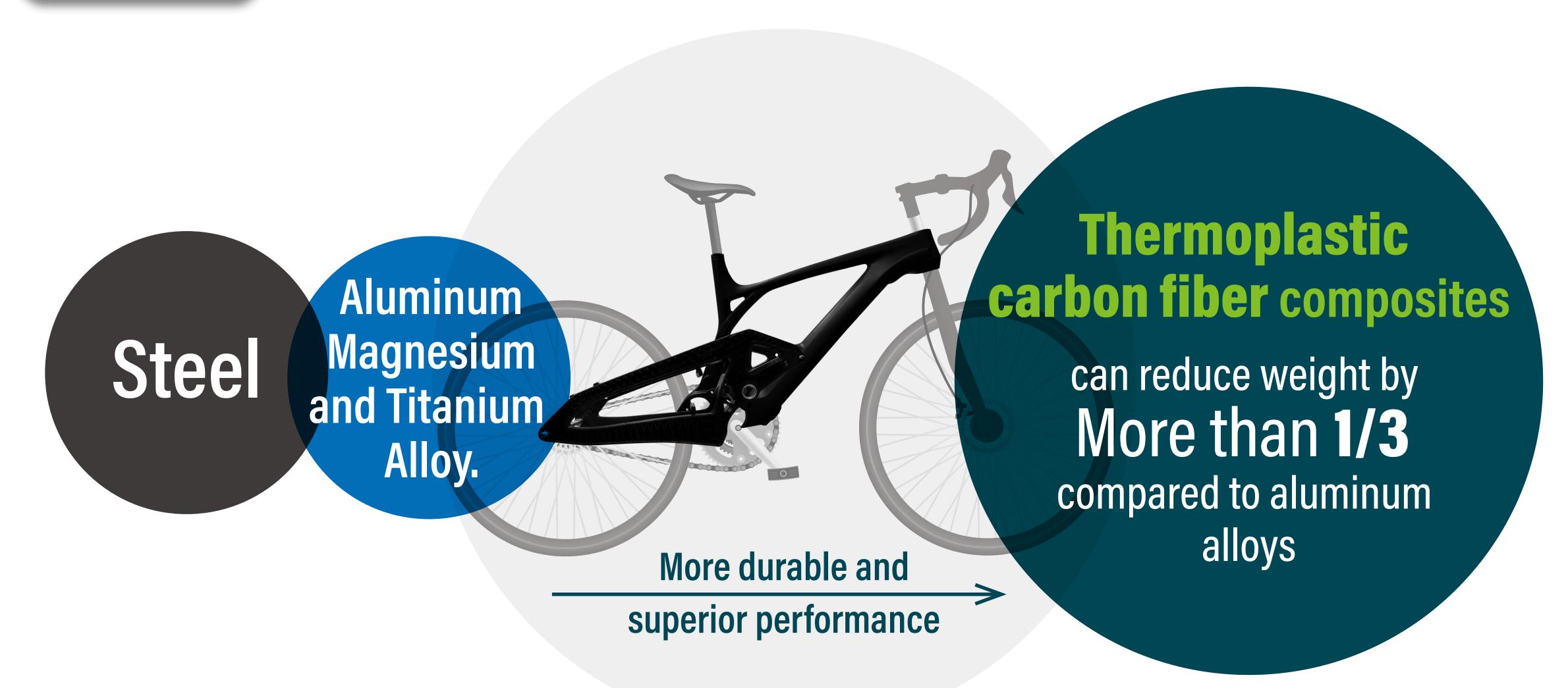


One after another, aluminum alloy is the mainstream material

Higher requirements of comfort.



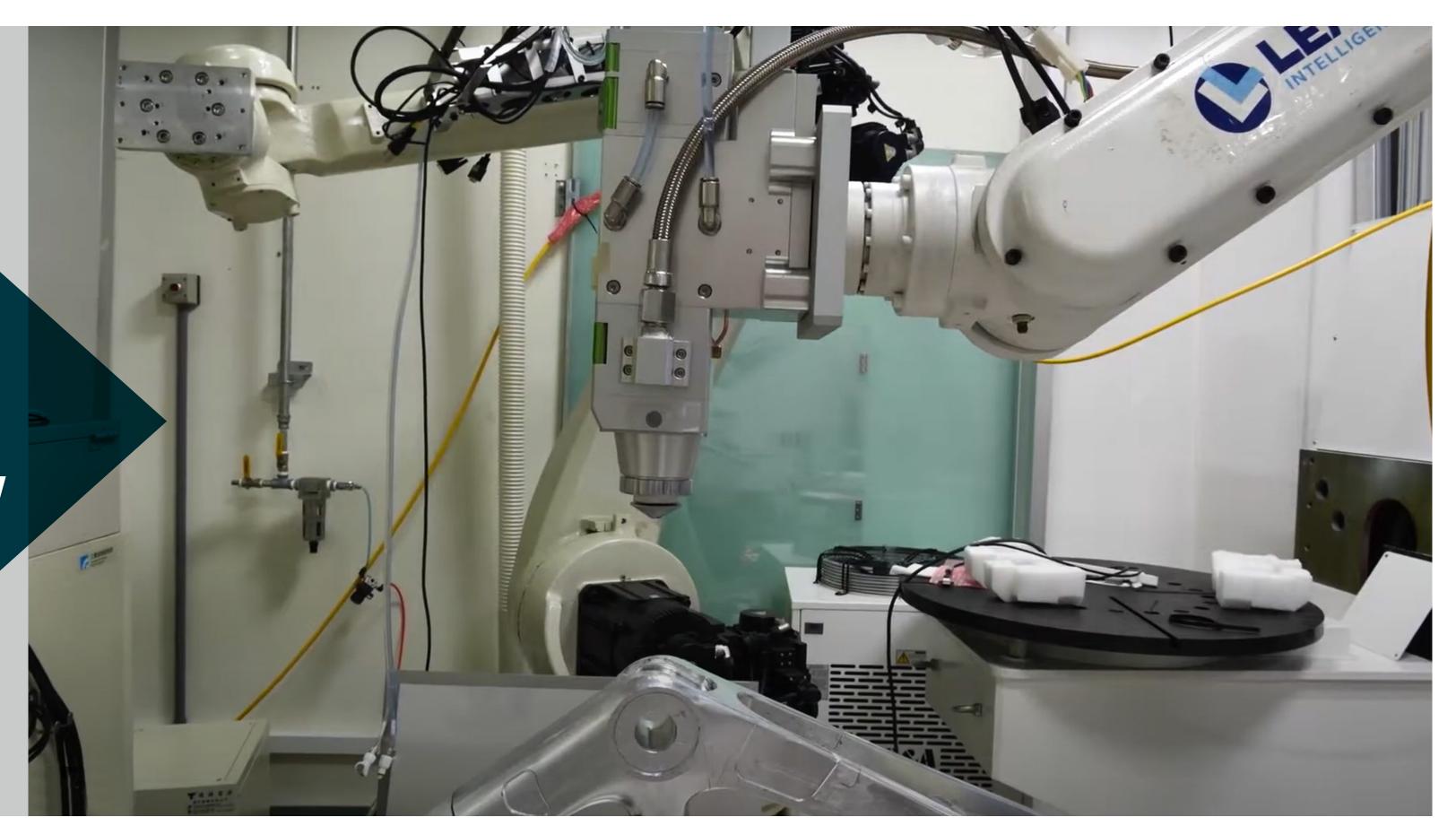
Replacing Traditional Light Metals





Modular production creates Quality consistency. Rapid mass production and Customization.

Thermoplastic carbon fiber UD laminate Setting robotic arm trajectory





Modular production creates Quality consistency. Rapid mass production and Customization.

Automatic System
Thermoplastic carbon fiber
UD laminate





Injection Mold design and Mold Flow Analysis

Modular production creates Quality consistency. Rapid mass production and Customization.

Injection molding mold design and mold flow analysis

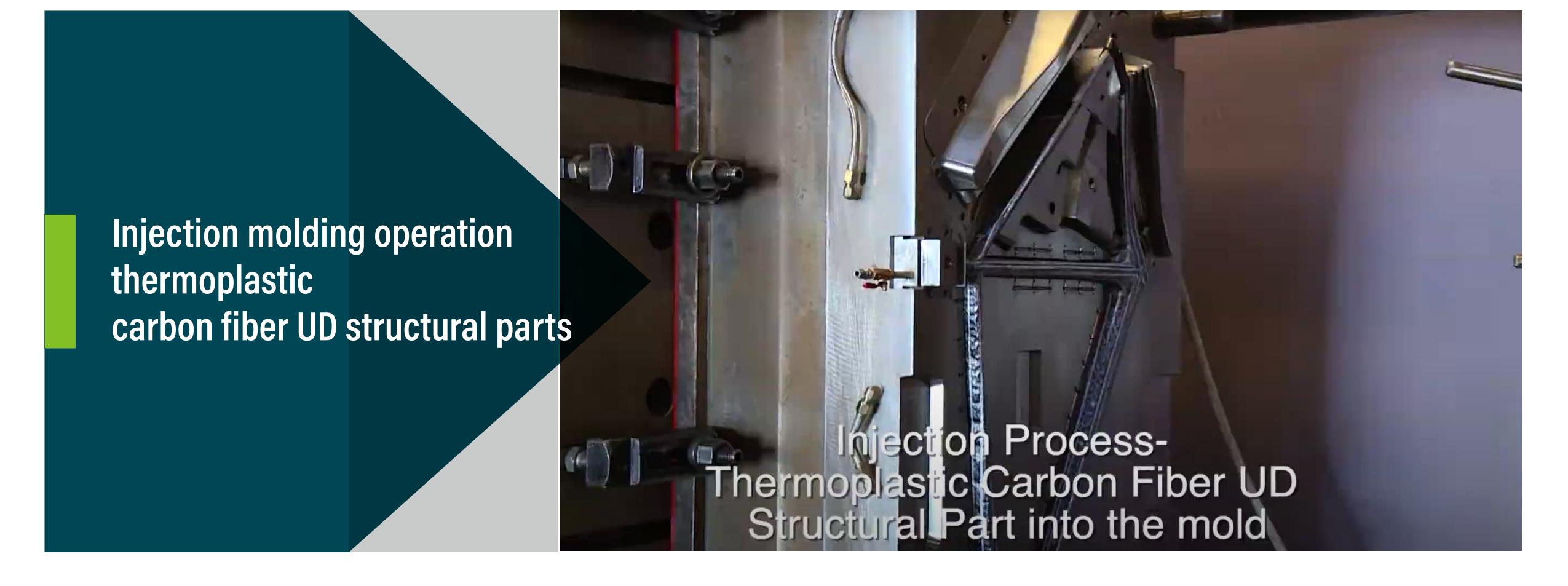


Modular production creates Quality consistency. Rapid mass production and Customization.





Modular production creates Quality consistency. Rapid mass production and Customization.





Short Production Cycle

Modular production creates Quality consistency. Rapid mass production and Customization.

Injection molding finish and demolding





Short Production Cycle

Modular production creates Quality consistency. Rapid mass production and Customization.







Fast Molding

One set of E-bike frame production will be finished within hour.





E-mountain Bike Frame + Rim





Lightness
Thinness
Strength

Replacing Traditional
Light Metal
Strong Hardness

Modular Production
Stable Quality

Customization Production



Environmentally Friendly Recycling

E-mountain Bike Frame + Rim





About HYC

- The largest professional manufacturer of rubber conveyor belts in Taiwan.
- The global largest production base of the rubber conveyor belts with chemical fiber FACTORY SITE.







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Quality Policy



Environmental Policy



Industrial Safety Policy





HSIN YUNG CHIEN CO., LTD.

No. 294, Nan Kung 3Rd, Nantou City, Taiwan, R.O.C. 54067

Web site: //www.hyc-king.com

E-mail: hyc@hyc-silieet.com