

# Revolutionize Heat Treatment Industry with Smart AI & Green Energy

## King Yuan Dar Metal Enterprise Company Ltd.

by Dean Tseng, Fastener World

King Yuan Dar has a dozen of heat treatment equipment patents approved in the U.S., Japan, China, Thailand and other countries. Last year the company has significantly increased product sales and set up a plant in Thailand. In early 2022, the company is rolling out two types of cutting-edge heat treatment equipment and is set to take on the new era of the industry.

### World's First

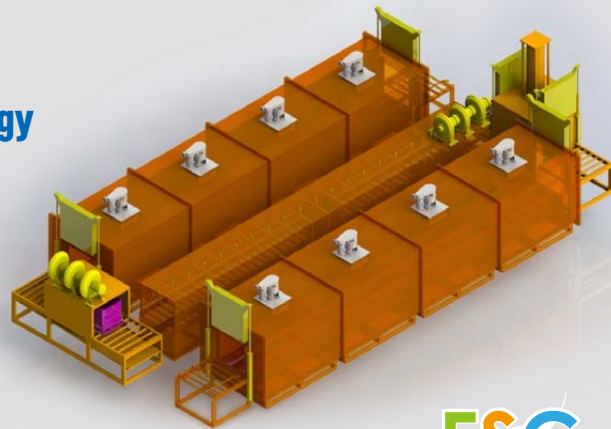
#### Green AI Continuous Batch Type Box Furnace (Whole Plant Equipment)

1. Treating process: automated inventory > automated feeding > cleaning > heat treating > recycling heat treating oil > cleaning > tempering + heat recycling > automated inventory.
2. Able to recycle heat treating oil and heat energy to save substantial cost and largely reduce energy consumption.
3. Using RX protective gas to provide the best protection for metals during heat treatment.
4. Fully customizable.
5. Automatically remote monitoring the temperature of the whole plant equipment, time, product tracing and carbon concentration.
6. Combining AI, smart monitoring, green energy and environment protection, manifesting the three cores of technological transformation and upgrade.

### World's Only

#### AI Vacuum Continuous Circulating Energy Saving Spheroidizing Furnace

1. High production capacity (100-150 tons per day).
2. Circulation-based structure; energy saving.
3. Able to recycle up to 60% heat.
4. Labor saving.
5. Lightweight, saving 50% manufacturing area.
6. Simpler maintenance. Lower malfunction rate.
7. Automatically remote monitoring the temperature of the whole plant equipment, time, product tracing and carbon concentration.




ESG

### Embracing ESG

#### New Plant to Come up in Zhangbin Industrial Park

The new plant in Zhangbin Industrial Park in central Taiwan uses solar panels on the rooftop, and it is designed in compliance with the environmental, social, and governance (ESG) criteria. It is expected to be completed at the end of this year. The area after completion will span 16.8 thousand square meters. It will be 5 meters high containing 5 floors. It will primarily manufacture heat treatment equipment, and provide heat treatment service which will reach a monthly capacity of 5,000 tons. Combing with the capacity of the existing Kaohsiung plant, the total capacity can reach 9,500 tons!

With the manufacture of heat treatment equipment in place, the company expects to double its sales performance this year! ▣

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