

Japan introduces new prototype super speed train: Using wireless charging technology, reaching a maximum speed of over 500km / h

It is expected that this super-speed train will be officially put into operation on the Tokyo - Nagoya route in 2027.

Last Wednesday, manufacturers in Japan launched a new prototype maglev. This prototype is capable of applying the wireless charging technology we often see in smartphones to "charge the battery", thereby no longer having to depend on the onboard generation systems as before.



The front of the train is designed to optimize aerodynamics, from which the train can reach speeds of up to 500km / h.

According to the statement issued by the manufacturer, this magnetic boat is capable of reaching speeds of up to 500 km / h, and is expected to be operational on the Tokyo - Nagoya route in 2027.

"We have reached 80-90% of the roadmap to commercialize this super-speed train," said Terai Motoaki, supervisor of JR Tokai's magnet train project.

The L0 model supercars used to be equipped with onboard turbines to generate electricity for the lighting and air conditioning systems. However, this new prototype thanks to wireless charging technology can generate electricity operating from the electromagnetic coils on both sides of the tracks as well as on the hull, thereby helping to reduce the weight of the train significantly. .



The design of this new prototype is inspired by the JR Tokai Tokaido Electric Train. Hitachi and Nippon Sharyo also participated in the production of this electric train prototype. Expected when put into operation, this ship can help customers move the distance of about 236km in just 40 minutes only.

According to JR Tokai announced at the launch, their ultimate goal will be to export this manufacturing technology to the US.

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