

# CRCHI

## Two CRCHI TBMs Were Launched From Bi-direction in the World's Longest Subsea Tunnel High-speed Railway

On May 16th, two super-large diameter slurry TBMs, developed by China Railway Construction Heavy Industry Corporation Limited (CRCHI), were launched from bi-direction respectively in Ningbo and Zhoushan of the Jintang subsea tunnel of the newly-built Ningbo-Zhoushan Railway. The simultaneous cutterheads rotation of the two TBMs marks the world's longest subsea high-speed railway tunnel into the TBM advance phase.



TBM "Dinghai"



TBM "Yongzhou"

With the total length of 135 meters and maximum excavation diameter of 14.57 meters, the TBMs named "Dinghai" and "Yongzhou" were coated with the motifs of "Divine Dragon". The Jintang subsea tunnel of Ningbo-Zhoushan Railway stretches from Yinzhou District in Ningbo City in the west to Jintang Town in Zhoushan City in the east, spanning a total length of 16.18 kilometers, of which the TBM section is 11.2 kilometers long. with the maximum buried depth of 78 meters. The tunnel undercrosses the 100,000-ton Jintang main navigation channel by using two TBMs, which starts excavation towards each other from Ningbo and Zhoushan respectively and ultimately realize docking at the bottom of the sea, with an accuracy requirement of an error not exceeding 20 millimeters. This marks the world's first case of subsea docking and disassembly of super-large diameter shield machines. Visit <https://en.crchi.com/>. 22/24.