



# WKPT Precision News

World Known, Well Known

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## WKPT Update

### Offshore wind technology localization project from Ørsted in progress

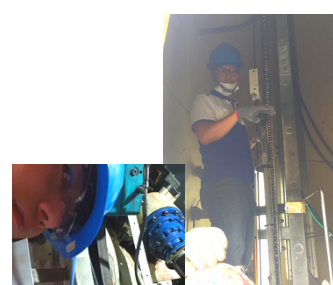
WKPT was awarded Ørsted "Offshore Wind Industrial Development Fund" to develop hydraulic brake in yaw system of offshore wind turbine in November 2020. Not only in response to green energy developed worldwide, but also keep reinforcing our technologies in green energy components. It's a big step further for us being a global leader in precision industry.

WKPT was fully engaged in Taiwan Wind Industry Association (TWIA) since year 2015. In August 2020, we were commissioned by Ops provider to develop Z72 onshore wind power brake system then installed into wind turbine in Gaomei Wetland, which was run half a year and qualified by Industrial Technology Research Institute (ITRI). In Ørsted project of offshore wind power technologies localization, pattern of brake cylinder and molding trial has been done at this moment. The verification of brake system estimated to be done in Q4 this year.

**This brake system will be likely introduced into domestic offshore wind farm, serving as an accumulated power for international wind energy supplier chain in the future.**



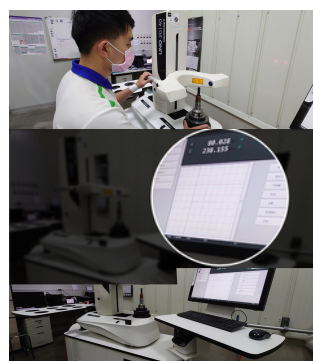
Ørsted Offshore Wind Industrial Development Fund Signing Ceremony



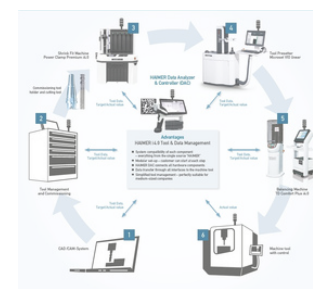
Change brake system of onshore wind turbine

## Information Express

### WKPT imports premium presetting equipment to elevate machining process



Cutting tool optical measurement



Data connection  
Image: HAIMER

At manufacturing site, whether it's highly customized manufacturing system, or production line for mass production, time of changing the cutting tool is one of the important factor of production efficiency. It will benefit manufacturing department as well as company if the time can be reduced. WKPT imported premium tool presetting machine of HAIMER, Germany, to save the time cost on cutting tool maintenance by manufacturing department, and to improve processing efficiency. The original tool presetting equipment can only measure length and diameter, but forming tool size is not included. The detailed dimension of forming tool has to be processed to machining first, and reversely confirmed its dimension by rolling over or sectioning the workpiece. To improve cutting tool maintenance efficiency, we imported HAIMER premium tool presetting equipment with CCD sensing, which can examine radius, angle and multi-angle cutting tool. Through optical measurement, detailed dimension of cutting tool can be checked immediately and ensure it's acceptable. Comparing to previous equipment, it can save more than 70% of tool maintenance time and lead to a higher changeover efficiency. **To ensure consistent quality and increase production capacity under highly customization service, by importing premium tool presetting equipment, the operation efficiency got improved and manufacturing advantage was built up.**

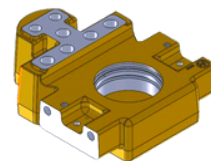
## Industry News

### Prospect of global automotive and industrial brake market

"Global Brake System Market is expected to reach \$61.2 billion by 2027, growing at a CAGR of 7.0%."

According to the brake system market report by Allied Market Research, global automotive and industrial brake system market is expected to reach \$61.2 billion by 2027, growing at CAGR of 7.0% (2020-2027). "The factors such as increase in sales & production of commercial vehicles and off-highway trucks.....and impact of new car assessment program (NCAP) on electronic brake systems are expected to drive the global brake system market."

WKPT has dedicated in automotive and industrial brake field for many years, products application including professional field such as commercial vehicle, crane and wind energy. With IATF 16949 certified, we expanded its quality standard to wind energy and other machinery industry, ensuring every components are conformed with quality standard. Furthermore, WKPT provides not only machining, but a total solution from blank forming, machining, heat treatment to coating, which can save customer's communication cost between various suppliers. **To manage anticipated growth in brake system market, WKPT will keep devoting resources to improve our supply proportion and visibility in automotive and industrial brake system market.**



Wind energy brake



Crane / Image: iStock

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