

# We Care About Your Safety and Riding Comfort

Jiwu Tech is dedicated to reducing boat roll as well as improving boat stability & safety. We provide professional anti-rolling solutions for various types of vessels.

Our products vary from gyro stabilizers and gyro stabilizer platforms to altitude sensors for ships, etc., all of which, contribute to a better stabilizing function for any vessel under any sea condition.

Our vision is to become the world's leading provider of anti-rolling solutions.

Our mission is to guarantee both the safety and the riding comfort of passengers utilizing our cutting-edge solutions, innovative products and professional customer service. We strive to make every trip the best and most comfortable experience ever.

The JW gyro stabilizer product series has been successfully installed on yachts, power boats, working boats, military craft and various applications within the offshore industry.

Based on our intellectual property and numerous patents, we provide professional equipment and customized services to satisfy our customer's needs.



**Shanghai · China**

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## Shanghai Jiwu Technology Co.,Ltd.

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## Eliminate 95% of Boat Roll

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A flywheel within the JW gyro stabilizer spins at extremely high speeds.

With the help of the vacuum pocket outside of the flywheel, it spins at speeds of up to 9,000 RPM.

When the boat rolls, the gyro tilts fore and aft, producing a powerful gyroscopic torque to port and starboard that significantly reduces boat roll.

An important advantage of the JW gyro stabilizer is its effectiveness at eliminating up to 85% of boat roll under any speed. The stabilizers are ideal for any vessel, especially those moving-slow.





### Light weight

Only weighs 2% of the boat



### Consumption

Save power effectively



### Easy Installation

Can be installed at any place in the boat



### Reasonable price

The best price in the market



### No accessory damping

Has no effect on speed

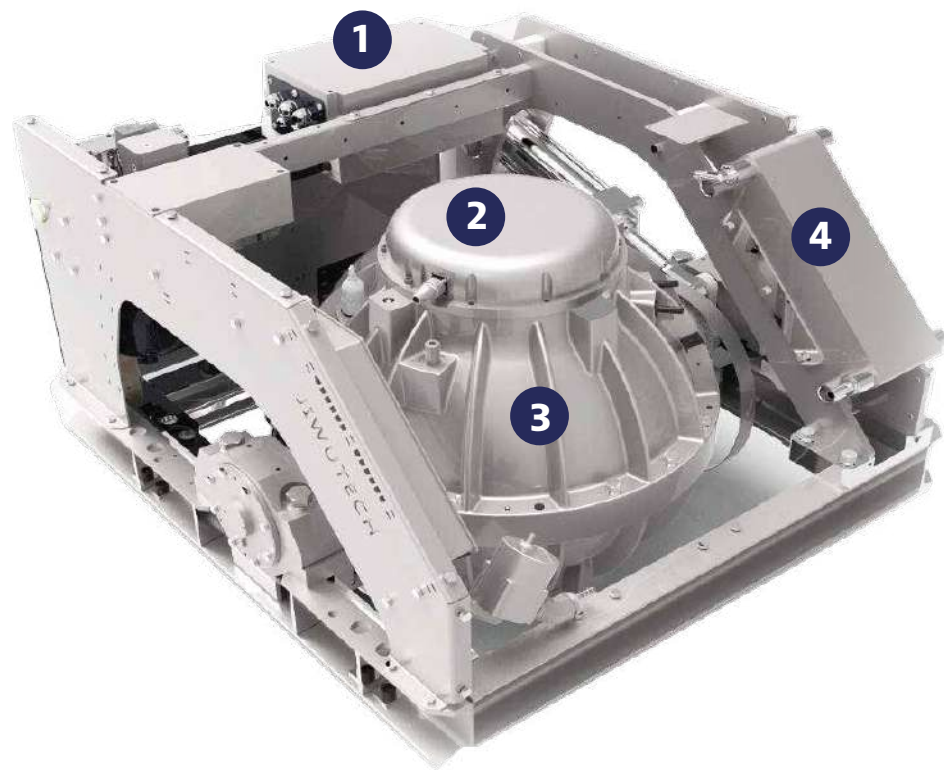


### Effective under any speed

Especially when the boat is at anchor

### How it works?

When the boat rolls, the gyro tilts fore and aft, producing a powerful gyroscopic torque to port and starboard that significantly reduces boat roll.



- 1 Active Control**  
The self-adaptive control strategy allows the gyro stabilizer to work effectively under any sea condition.

- 3 Sealed Design**  
The core components are completely isolated from the marine environment.

- 2 Power Saving**  
The ceramic rolling element allows the gyro to spin faster, consuming less power.

- 4 Sea Water Cooling**  
An effective cooling system enables the gyro stabilizer to work steadily.

### Range of Application

The JW gyro stabilizer product series has been successfully installed on yachts, fishing boats, power boats, working boats, military craft and various applications within the offshore industry.



Yacht



Fishing Boat



Offshore Wind Power



Rescue Boat



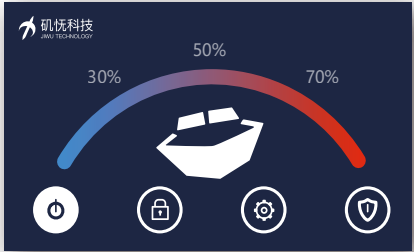
Pilot Launch



USV

## Installation Scheme

We aim to offer you the perfect anti-rolling solution.  
With the most affordable price in the market, you'll receive the best riding experience combined with our full range of technical & customer support.  
Jiwu Tech and our professional partners will provide you with pre-sales consulting, field measurement, installation service, sea trial and after-sales services.



## Control Panel

The control panel is conveniently installed on the driving console. The touch screen allows the user to start, stop or lock the gyro stabilizer as well as review the device condition and angle of roll in real time.



## Installation position

- ☒ Front / Back
- ☒ Port / Starboard
- ☒ Cabin



**Full range**  
of  
**Technical Support**



1A



3



5



7

	JW-1A	JW-3	JW-5	JW-7
For Boats	About 30’ (up to 5 tons)	About 40’ (up to 10 tons)	About 50’ (up to 20 tons)	About 55’ (up to 25 tons)
Weight	120 kg±5%	290kg±5%	360kg±5%	440kg±5%
Dimensions	406*404*452 mm	695*710*556 mm	760*750*610 mm	760*750*610 mm
Rated Speed	8000 RPM	8000 RPM	9000 RPM	9000 RPM
Angular Momentum at Rated RPM	1000 N-M-S	3000 N-M-S	5000 N-M-S	7000 N-M-S
Anti-Rolling Torque at Rated RPM	2500 N-M	7500 N-M	12500 N-M	17500 N-M
Spool-up Time to Rated RPM	30 min	30 min	40 min	50 min
Spool-up Time to Stabilization (70% Rated RPM)	15 min	15 min	20 min	20 min
Spool-up Power	800 W	1000 W	2000 W	2000 W
Operating Power	600 W - 800 W	1000 W - 1500 W	1500 W - 2000 W	1500 W - 2500 W
AC Iput	DC12V/AC110V-220V, 50/60HZ	AC110V-220V, 50/60HZ	AC220V, 50/60HZ	AC220V, 50/60HZ
Sea Water Supply to Heat Exchanger	5 LPM/Air Cooling (Optional)	10 LPM	20 LPM	20 LPM
Ambient Air Temprature	-20-60	-20-60	-20-60	-20-60
Noise Output	70 - 72 dB	68 - 72 dB	68 - 72 dB	68 - 72 dB





10



20



50



150

## JW-10

## JW-20

## JW-50

## JW-150

For Boats	About 65' (up to 40 tons)	About 80' (up to 80 tons)	About 100' (up to 200 tons)	About 200' (up to 500 tons)
Weight	640kg±5%	1200kg±5%	2548kg±5%	4500kg±5%
Dimensions	936*936*692 mm	1140*1160*960 mm	1550*1550*1415 mm	1920*1920*1885 mm
Rated Speed	8000 RPM	5000 RPM	3000 RPM	2000 RPM
Angular Momentum at Rated RPM	10000 N-M-S	20000 N-M-S	50K N-M-S	150K N-M-S
Anti-Rolling Torque at Rated RPM	20000 N-M	40000 N-M	100K N-M	300K N-M
Spool-up Time to Rated RPM	50 min	55 min	60 min	60 min
Spool-up Time to Stabilization (70% Rated RPM)	30 min	30 min	30 min	30 min
Spool-up Power	2500 W	3500 W	18 KW	40 KW
Operating Power	2000 W - 3000 W	3000 W - 4500 W	10 KW - 18 KW	30 KW - 40 KW
AC Input	AC220V, 50/60HZ	AC380V, Three Phase, 50/60HZ	AC380V, Three Phase, 50/60HZ	AC380V, Three Phase, 50/60HZ
Sea Water Supply to Heat Exchanger	20 LPM	30 LPM	50 LPM	80 LPM
Ambient Air Temperature	-20-60	-20-60	-20-60	-20-60
Noise Output	68 - 72 dB	68 - 72 dB	70 - 75 dB	70 - 75 dB







# PROJECTS



## Fishing Boat (Japan)

Length 52ft/ Displacement 8.0t/  
Configuration JW-3/ Anti-rolling  
effect on sea state III 82.9%

## Patrol Boat (China)

Length 85ft / Displacement 31.8t /  
Configuration JW-7\*2 / Anti-rolling  
effect on sea state III 95.0%

## Pilot Boat (China)

Length 62ft / Displacement 21.6t /  
Configuration JW-10 / Anti-rolling  
effect on sea state III 86.6%



## Main Business Partners

China Coast Guard  
China Maritime Safety Administration  
China Poilt

## Distributors

**Mainland China**  
Guangdong· Sanya Hainan·  
Qingdao Shandong· Xiamen Fujian

**Asia**  
Hongkong· Japan· Singapore· Indonesia

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