WIND AND WAVE, CALM DOWN!

Shanghai Jiwu Technology Co., Ltd

Add：No.499, Xinfei Road, Songjiang District,
Shanghai, China
Tel：+86 021-6199 8547
Zip Code：201612
Mob：+86 133 7025 5596
Email：chenshaonanab@126.com
Web：**www.jiwutech.com**

JIWU TECH

STABILIZED BY GYROSCOPIC POWER



Shanghai·China

Shanghai Jiwu Technology Co.,Ltd



WIND AND WAVE, CALM DOWN!

JIWU TECH
STABILIZED BY GYROSCOPIC POWER

Company Introduction

Shanghai Jiwu dedicates on reducing the ships rolling and improving their stability & safety, we provide professional services for ships and yachts.

We make our best efforts to guarantee the safety of both ships and passengers. Thus make people achieve more comfortable maritime travel.

Our products include gyro stabilizers, gyro stabilizing platforms, attitude sensors for ships, etc., all of which can achieve stabilizing function for any ships and at any sea condition.

We have developed lots of products of JW series, which have been successfully used for sightseeing yachts, official yachts, marine industry, military industry, etc.

All of our products have the proprietary intellectual property rights with lots of patents. We offer the professional equipment and customized service for marine industry and military industry, which have stable demands for our products.









What should we do ?

- Should our valiant salvors be rescued by others on rough seas ?

——Rescue boat

- What can we do while they are venturing ?

——Pilot launch

- Will the precise detection equipment be able to run normally when the waves are roaring ?

——USV

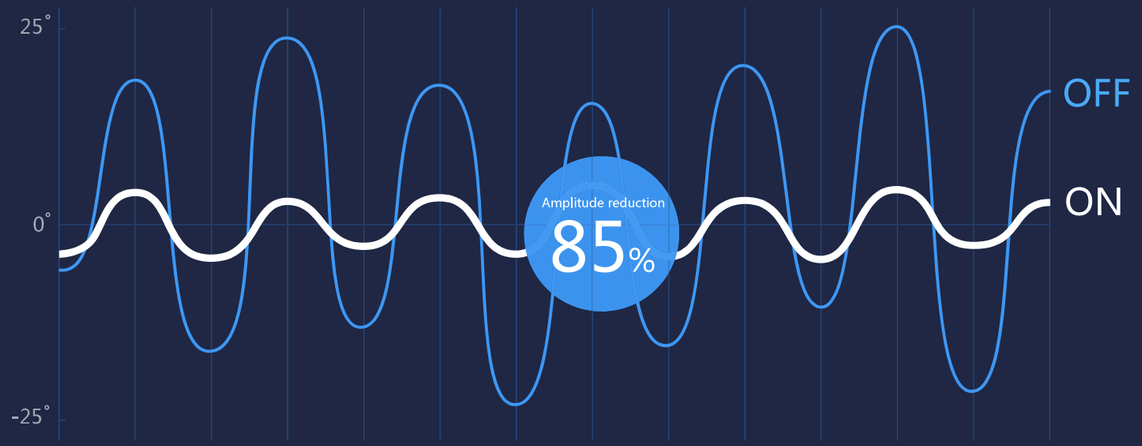
- How long will the high technicians be able to focus on working after traveling on the dizzying ship ?

——Offshore wind power

Shanghai Jiwu Technology Co.,Ltd. will provide you perfect solutions to clear all those problems.



Comparison of gyro stabilizer before and after installation



Gyro stabilizer devices used for different ships



For more information please call：+86 021-6199 8547　Website：www.jiwutech.com

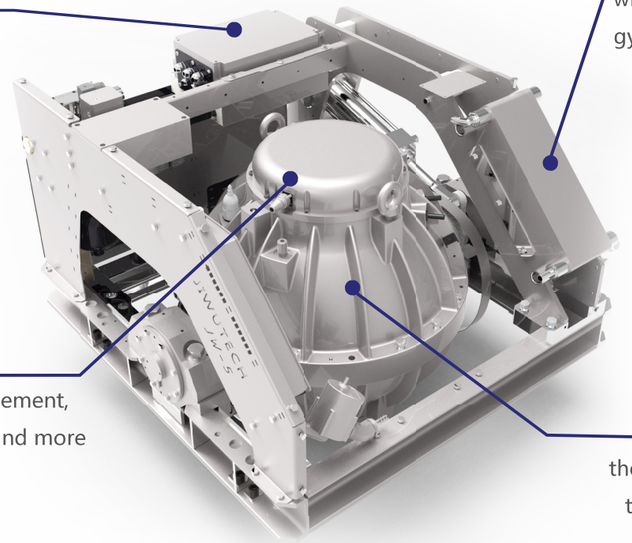
Operation Principle and Installation Scheme

Sea Water Cooling

effective cooling enables the gyro to work stably

Active Control

with adaptive control the gyro is effective in all sea condition



Power Saving

with ceramic rolling element, the gyro spins faster and more energy-efficient

Sealing Design

the core components are totaly isolated from the marine environment

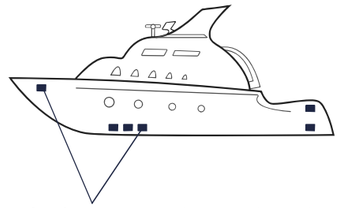
How It Works：When the boat rolls, the gyro tilts fore and aft, producing a powerful gyroscopic torque to port and sarboard that eliminates the boat roll.

▲ Control Panel

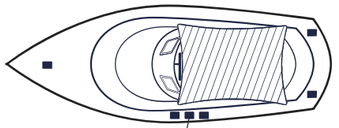


It's convenient for the control panel of the driving console to realize the start stop & control, the lock control, the equipment condition monitoring and the real-time display of the ship rolling state.

▲ Installation Scheme



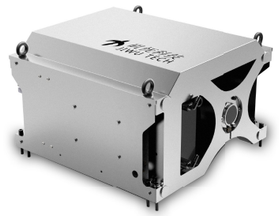
Multiple units can be combined to install in larger vessels.



It can be installed at any place in the ship.

JIWU PRODUCTS

JW-1

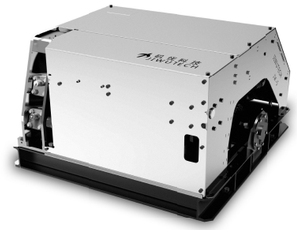


For boats: About 30'
(up to 5 tons)

Weight: 120kg

Dimensions: 551*571*381mm

JW-5



For boats: About 50'
(up to 20 tons)

Weight: 440kg

Dimensions: 780*756*621mm

JW-10

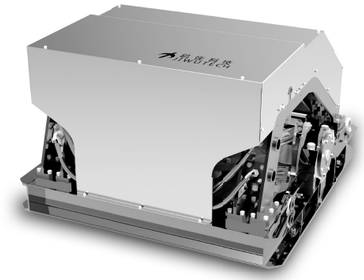


For boats: About 65'
(up to 40 tons)

Weight: 640kg

Dimensions: 930*936*721mm

JW-15



For boats: About 75'
(up to 60 tons)

Weight: 1218kg

Dimensions: 1170*1150*937mm

PARAMETERS

	JW-1	JW-5	JW-10	JW-15
Rated Speed	15000 RPM	10000 RPM	8000 RPM	5000 RPM
Angular Momentum at Rated RPM	1000 N-M-S	5000 N-M-S	10000 N-M-S	15000 N-M-S
Anti-Rolling Torque at Rated RPM	2500 N-M	10000N-M	20000 N-M	30000 N-M
Spool-up Time to Rated RPM	30min	50min	50min	55min
Spool-up Power	800W	2000W	3000W	4500W
Operating Power	300W-500W	1000W-2000W	2000W-3000W	3000W-4500W
AC Input	220V、50/60HZ Single Phase	220V、50/60HZ Single Phase	220V、50/60HZ Single Phase	220V or 380V Three Phase
Sea Water Supply to Heat Exchanger	7 LPM	20 LPM	20 LPM	30 LPM
Ambient Air Temprature	-20-60℃	-20-60℃	-20-60℃	-20-60℃
Noise Output	68-72dB	68-72dB	68-72dB	68-75dB
Advantages	Low power consumption, Lightweight , Saling without additional resistance, Adapting for boats at zero speed.			

JIWU TECH
STABILIZED BY GYROSCOPIC POWER

Sensor



Touchless Rotary Sensor

TECH SPECS :

- Resolution:12 bit
- Repeatability:0.1
- Life: Forever
- Vibration≤20 g
- Range Max.:360
- Shock≤50 g
- Protection Class:IP67
- Linearity ≤±0.5%
- Output: 0.25 to 4.75V ratiometric to supply voltage

Inertial Measurement Unit

TECH SPECS :

- Vibration≤20 g
- Shock≤50 g
- Roll, Pitch: Up to 0.2°
- Heading : Up to 1°
- Heave : 10cm
- Protection Class:IP67

Business Partners

Sunbird Yacht Co.,Ltd

Goldwind Science & Technology Co.,Ltd

Hainan Commodore Marine PTY Co.,Ltd

Jiangyin Beihai LSA Co.,Ltd