

Smartgyro Announces New SG20 at IBEX

Gyroscopic stabilization specialist reveals its expanded three-model line-up to the US market for the first time with the addition of the latest unit for 45ft to 55ft vessels

IBEX, 28th to 30th September, Stand 1-504

27 September, 2021 – New at this year’s IBEX, Smartgyro announces the addition of the SG20 unit to further expand its unique range of advanced gyroscopic stabilizers.

The latest model is suitable for boats from 45 feet to 55 feet and strengthens Smartgyro’s comprehensive line-up of stabilizers to provide more options for boat owners and builders.

Encompassing vessels from 45 feet to 70 feet, the growing SG series now consists of the SG20, SG40 and SG80, with further units under development.

The new SG20 offers all the industry-first design benefits and advanced roll reduction technology associated with the Smartgyro name.

The outstanding innovation of the stabilizers engineered by the YANMAR-backed company is the cutting-edge modular mechanical design, ensuring the range is unique to the market as the only gyro units that can be serviced, maintained and assembled directly inside the boat.

Negating the need for the whole gyro to be shipped back to the factory, the structure of the units enables seamless installation and onboard maintenance. The sophisticated stabilization solution therefore minimizes time spent on maintenance and reduces vessel downtime, while creating new design opportunities for builders and increasing the potential for installation in vessels with small access spaces.

Sander Gesink, Smartgyro Marketing Director, said: “We are pleased to announce that the SG20 will be added to the Smartgyro line-up and will be available to the market from Q1 2022. The expansion of the range increases the options for boat builders looking for sophisticated solutions offering flexible design opportunities and easy installation. The variety of vessels now covered by our new portfolio also ensures that more boaters will be able to experience the unique benefits of our gyro stabilizers so they can maximize their time on the water and enjoy a positive onboard experience.”

Ideal for both new builds and refit installations, the SG20 features design innovations within the control electronics, braking system, liquid cooling system and vacuum enclosure to maximize roll reduction, performance and efficiency.

The key features of the Smartgyro SG20 include:

- **Modular design**
The mechanical design allows seamless installation and maintenance
- **Efficient control electronics**
Roll reduction is maximized under every sea condition using an efficient module, motion sensors and an Inertial Measuring Unit (IMU) to monitor and process real-time boat behaviour data and the flywheel speed and position
- **Pressurized, closed loop braking system**
The braking system dynamically controls the gyro using hydraulic cylinders and proportional valve
- **Liquid cooling**
Heat generated by the motor and spinning bearings is dissipated, while also cooling the inverter and hydraulic manifold
- **Efficient flywheel rotation**
A sealed vacuum minimizes air drag to increase performance and reduce heat and power consumption. The built-in pressure pump automatically restores the vacuum after detecting a leakage or after performing maintenance on the sphere.

Technical specifications of the SG20 are as follows:

Envelope dimensions: 0.76 x 0.77 x 0.65 m [29.9 x 30.3 x 25.6 in]

Weight: 495 kg [1091 lbs]

Rated speed: 9.500 RPM

Angular momentum at rated speed: 5.900 Nms

Smartgyro will be at IBEX on Stand 1-504, Annapolis Powerboat Show in Tent B 21, Fort Lauderdale Boat Show in the marine equipment tent and METSTRADE on Stand 07.607. Smartgyro is backed by strategic partner YANMAR and its companies, including Vetus, Maxwell and Flexofold.

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About Smartgyro – The Future of Marine Stabilization

Smartgyro is a gyro stabilization technology specialist with a mission to elevate the entire boating experience with its complete range of advanced gyro stabilizers. Ideal for new builds and refit installations on recreational powerboats and light duty commercial vessels, the leading Smartgyro stabilizers offer significant performance, efficiency, installation and maintenance benefits for boat owners, vessel operators and boatbuilders.



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Founded in 2014 and based in La Spezia (SP), Italy, Smartgyro is backed by strategic partner [YANMAR](#) and its companies, including [Vetus](#), [Maxwell](#) and [Flexofold](#).

'Feel the magic' with Smartgyro. More information: www.smartgyro.com.

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