

# QUANTUM MARINE ENGINEERING

*The Most Advanced Line of Stabilizers for Large Yachts*



ISA's 120ft. (36m) 30 knot plus motoryacht equipped with Quantum's newly custom designed XT™fin system.

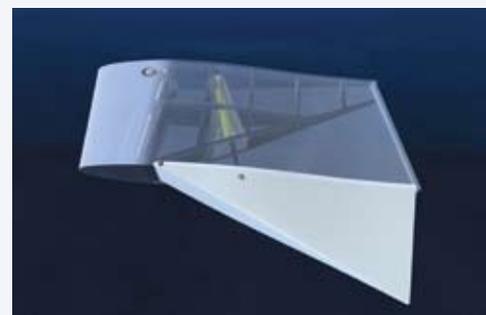
Yachtsmen looking for state-of-the-art yacht stabilizers and hydraulic systems will find their solutions at the Quantum Marine Engineering booth at the boat show. Based in Fort Lauderdale, this well-known, privately held company builds everything from yacht stabilizers, bow and stern thrusters and hydraulic power packs to integrated hydraulic systems. Quantum works closely with owners, builders, captains, yards, engineers and architects all over the world to provide a wide range of yacht roll stabilizer equipment that's effective whether the vessel is at anchor or cruising at high-performance speeds. In fact, Quantum is the first company to deliver a fully digital, adaptive logic electronic control for stabilizers and trim tabs. It also developed and field-tested the first active trim tab ride-control systems with retractable foils.

Quantum's latest stabilization systems include the revolutionary MAGLIFT™ rotary stabilizer for zero drag at speed and maximum stability

while the vessel is at anchor, drifting, or during low-speed cruising, and the extendable and retractable XT™ Fins, which maximize roll stabilization at anchor while minimizing drag under way. The XT™ system is now available and will be on display at the Quantum booth located at the Y&B Tent Booth #669.

With the new, patented XT™ system, Quantum's engineers met the challenge of sizing stabilizer fins for the modern yacht hull while making them large enough to perform without extending outside the hull envelope. In addition to using them historically on vessels of 300 ft. (100m) or larger, they've proven remarkably effective for the smaller yachts of approximately 120 ft (36m) in length and up – exceeding even Quantum's expectations for the lower end of that size range.

When International Shipyards Ancona (ISA) was seeking to take the next step in its product improvement program designed to deliver the ultimate in comfort both under way



Quantum's XT™ fin shown in the extended position.

and at anchor to owners of its 120-foot class yachts, the builder turned to Quantum for a solution. Quantum's design team created the first smaller-vessel system using its already proven XT™ fin technology. The system was custom-designed for ISA and its 120-foot class vessel, which has a top speed well in excess of 30 knots. Both yacht and system have proved extremely successful, and ISA has now delivered nine vessels in this class.

Quantum's MAGLIFT™ system features hydraulically actuated retractable rotating cylinders controlled by the company's amazingly sophisticated ARC3000 series electronic roll controllers, which generate lift. The same lift that guides a golf ball in that beautiful, soft fade from the left side of the fairway to its gentle landing a couple of feet from the pin will counteract the rolling motion of a yacht whether under way or at rest.

For more information, contact Mike Perkins at Quantum Marine Engineering Inc., tel: 954-608-0155, e-mail: [mperkins@quantumhydraulic.com](mailto:mperkins@quantumhydraulic.com) or visit [www.quantumhydraulic.com](http://www.quantumhydraulic.com). Quantum's offices, manufacturing facility and service and spares centers are located at 3790 SW 30th Ave. in Fort Lauderdale.