

Streamlined Gyro Compass Production Process



New manufacturing techniques and streamlined product design are enabling Teledyne TSS to deliver new gyro compasses in less than six weeks. High demand combined with the complexity and precision manufacture of TSS and S G Brown gyrocompasses had traditionally required delivery lead times of several months.

The transformation has been achieved through a combination of factors arising from the application of modern manufacturing techniques. These include the use of improved materials management and just-in-time delivery to ensure that components are available when required but without the accumulation of expensive stock. Changes have also been made to designs of the gyros themselves which have had their electronics upgraded to make manufacture quicker and easier. A new facility also ensures that the testing of gyro

compasses is able to match the higher output from the factory floor. Because of these new techniques, productivity has nearly doubled from 30 gyros per month to 53. The company is now confident that potential customers will benefit from knowing that Meridian gyros will be available when they need them.

Gyrocompasses from Teledyne TSS include the naval and commercial marine range sold under the S G Brown brand name. The Meridian range is available in surface and subsea models and also in the high performance Surveyor range. The company also manufactures the Orion inertial navigation system which combines ring laser gyro technology with advanced motion sensing.