

BOYNTON BEACH, FL, September 21, 2013 /**24-7PressRelease**/ -- The Boca Bearing Company announces ceramic bearings specially designed for the demands of the photonics industry. Boca Bearings provides solutions for photonic companies by offering bearings that are non-magnetic, non-corrosive, non-conductive, and extremely low friction. Offered as both ceramic hybrid bearings and full ceramic bearings, these bearings are ideally suited for demanding photonics environments. Advances in photonics technology means that today's industrial laser systems offer unparalleled capabilities in precision manufacturing and advanced materials processing.

The science of photonics includes the emission, transmission, amplification, detection, and modulation of light. The manufacture of photonic devices requires the alignment of components that transmit signals by light through fiber optic cables. Best suited to laser technology, applications include laser welding and marking of packages, transmitters, receivers, and passive devices.

Ceramic bearings are suitable for use in many specialty applications seeking to reduce conductivity, magnetism, overall weight and rolling resistance. Ceramic bearings are also ideal for extremely harsh environments where high temperatures and corrosive substances are present. Because ceramic is non-porous it has an extremely low coefficient of friction and require little to no lubricant which means they are appropriate for clean room environments.

The Boca Bearing Company stocks a full range of standard bearings, ceramic balls, ceramic hybrid bearings and full ceramic bearings. With over 6000 different bearing sizes and well over four million bearings in stock, The Boca Bearing Company offers the largest stock of replacement bearings for all applications. Boca Bearings never has a minimum order and has consistently led the industry in bringing advanced ceramic technologies to market.

**About Boca Bearing Company** Boca Bearing Company, headquartered in Boynton Beach, FL, is one of the most trusted names in ceramic bearing and lubrication technology. The reduction of rolling resistance and conservation of energy has been the company's hallmark since 1987. Boca Bearing Company is a one-stop-shop for everything from prototyping to production.

Website: <http://www.bocabearings.com>