

## SST Inclinometer Remarkable Performance-EADS successful application

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EADS and Vigor have accomplished the first stage of the cooperation agreement, and to be the sole inclinometer supplier of EADS' subordinate company (Cassidian Company). In June 2012, the latest patent achievement of Vigor Technology——SST300 inclinometer. Due to its excellent performance, perfect engineering and superior intelligence, the actual angle measurement accuracy concept, the SST300 stands out from many counterparts, and for this reason it is formally purchased and used by EADS. This is the second time excellent SST300 inclinometer products have been provided to European's ordnance enterprises after Vigor provided SST400 series inclinometer products to BAE systems company; It was also after a great military application of the SST300 inclinometer that it officially launched in December 2011. Thus, Vigor inclinometer is gradually developing to become a higher application area in the international market, which changes the misconception "China's sensor can only be used in the lower-end market and lower-end project". Furthermore, this certainly proves that China has the ability to do well in sensor products. The SST inclinometer can be set up in the high-end field of the world and also can participate in competitions with the international top market.



Shanghai Vigor Technology Development Co., Ltd is a technology oriented enterprise which focuses on developing, designing and selling high tech sensor equipment with a number of patents and greatly acclaimed products in the sensor area. During the development, Vigor Technology has provided professional accurate sensor products to many scientific research projects, as well as in application fields: civil engineering, industry, military, etc. Vigor Technology's inclinometer has very great advantages over varieties of inclinometer. With its world-class research and development ability, Vigor customizes most special requirements of its inclinometer for customers. It also has provided year's stability that has reached 3.6" of its ultra-high accuracy. Their inclinometer meets products requirements of the highest security level SIL3 in the mechanical industry. The cooperation product between EADS and Vigor is the latest development of the SST300 series inclinometer. From developing to testing all the way to the meticulous and comprehensive certification, the product's performance and accuracy achieved a fully satisfactory level. SST300 inclinometer's housing went through a strict modal test.

It's not simple to assemble the sensor's core component and enclosure into products. Also, the sensor's PCBA also went through a modal test, fundamentally solving the effect of sensor filtering caused by the resonance of vibration. Moreover, in order to improve accuracy, Vigor Technology adopted specialized automatic testing technology to reduce man-made jamming effects to the quality, which ensures its consistency. According to the detected data, Vigor' SST inclinometer can achieve  $\pm 5''$  @  $-40\sim 85^{\circ}\text{C}$  full temperature within comprehensive accuracy, and 12 months of zero stability can achieve  $\pm 3.6''$  .

In the field of sensor technology, Vigor's inclinometer technology has reached the leading level of the world. Beyond that, Vigor Technology 's sensor has many applicable advantages, which benefits from angle measuring fields that can obtain nearly 30 kinds of invention patents, utility model patents, appearance patents and software copyrights.



Due to Vigor Technology's unique advantages in the inclinometer field, many foreign enterprises and organizations traveled to China to discuss business and have reached business agreements, and the recent cooperation with EADS has a very important significance. Cassidian <http://www.cassidian.com> is known as the subsidiary of EADS, who is the global leader of security solution and system, to provide Lead Systems Integration, value-added products and services all over the world; that including air-conditioning systems (airplane and UAS) , terrestrial systems, navy joint systems, intelligence monitoring, network security, secret communications, test systems, missiles, and service and support solutions. Cassidian has about 28000 employees, and an annual income of 5.8 billion Euros In 2011. EADS (<http://www.eads.com>) is the global leader of aerospace, defense and related service. In 2011, EADS grouped with an airbus company, Astrium, and a Cassidian and European helicopter company which have produced 49.1 billion Euros and have hired more than 133000 employees . The cooperation between EADS and Vigor Technology means that SST inclinometer's quality level has reached international military field standard, which can be used in military application fields for high accuracy and reliability requirement.