

Global and China Nondestructive Testing Industry Report, 2014-2019

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Abstracts

Nondestructive testing or Non-destructive testing (NDT) is a wide group of analysis techniques used in science and industry to reveal surface & some sub-surface defects within engineering materials, components and structural parts without causing damage, through their reactions to heat, sound, light, electricity, magnetism, etc. to judge and evaluate type, nature, number, shape, position, size, distribution and variation of flaws tested. Nondestructive testing is mainly used in industrial sectors closely linked with national economic development, such as steel, machinery and equipment manufacturing, petrochemicals, rail transport, shipbuilding, aerospace, and power.

Despite the global economic downturn, the nondestructive testing industry still maintains a high growth rate. In 2009-2013, the global nondestructive testing (including equipment & services) market size grew at a CAGR of 8.8%, hitting USD6.57 billion in 2013 with a yr-on-yr growth rate of approximately 9%. And services have been the mainstay, basically accounting for two-thirds of the total market size.

The Chinese nondestructive testing market has arisen lately on the basis of introducing equipment and technology from abroad, but accompanied by rapid development. As of the end of 2013, more than 2,000 enterprises in China had set foot in the nondestructive testing, claiming 10% worldwide market share.

The world's major NDT equipment or service companies have set up offices, agencies or subsidiaries in China, including Japan-based Olympus and Hamamatsu, USA-based FLIR Systems, Switzerland-based Comet and SGS, Germany-based TUV Reinland and TUV SUD. Although local Chinese companies have made progress in NDT equipment and services, the current domestic market is still dominated by foreign brands, which seize 70-80% market share especially in terms of equipment.

The report highlights the followings:

Global nondestructive testing market structure, size, etc.;

Status quo, import & export, downstream demand, etc. of nondestructive testing market in China;

Operation, NDT business, development prospect of 12 global and Chinese NDT equipment and service providers.

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