

## FOCUS 35 TOTAL STATION WITH AUTO SCAN HELPING BUILD CHINA'S EXPRESSWAY NETWORK



**Huizhou City, China (April 2018)**— FOCUS 35 robotic total stations are hard at work helping build the world's largest expressway network. In one notable example, the FOCUS 35, with its time-saving automatic scan template, is checking the cross-section quality of the twin Nan Kunshan tunnels for the new six-lane Shazhan S14 regional highway.

Excavation under Nankun Mountain for the twin tunnels, each 4.1 km long and each capable of carrying three lanes of vehicular traffic, began in September 2016. In the current second phase of construction, the FOCUS 35 is being used to gather data that will be used to compare the as-built tunnels to the design specifications to determine what adjustments to the tunnel surfaces may need to be made.

The FOCUS 35 was selected for the scanning work because it offers a particularly streamlined and efficient workflow that yields significant time-savings. The workflow of a conventional total station requires time-consuming manual scanning followed by export to a separate post processing function after which a DXF file is generated.

The FOCUS 35, with its Trimble Access Tunnel software, saves significant time because it automatically scans and directly generates DXF reports for submission to the contractor to check over-break and under-break values. When completed, the new six-lane, 800 km Shazhan highway will connect Shantou and Zhanjiang, two important coastal cities in southern Guangdong province. The contractor for the Nan Kunshan tunnels is ChangDa Highway Engineering Co. Ltd.

### About the FOCUS 35 Robotic Total Station

The FOCUS 35 is a motorized total station providing high speed, accuracy and precise measurement. The speed of observation and precise positioning of the FOCUS 35 Robotic Total Station is provided by patented StepDrive™ motion technology, which controls the horizontal and vertical motion of the motors, eliminating the need for traditional motion locks. The FOCUS 35 includes a tracking sensor that uses LockNGo™ FastTrack tracking technology, enabling the instrument to constantly lock onto the prism.

### About Spectra Geospatial

Spectra Geospatial is an established brand known for delivering quality products to the survey, GIS and construction markets. Focusing on the specific needs of the conventional surveying market, the Spectra Geospatial brand offers a complete product portfolio including Global Navigation Satellite Systems (GNSS), optical total stations, data collection hardware, field and office software, as well as a wide range of construction tools.

Spectra Geospatial surveying equipment is an economical choice that utilizes technologies for optimal efficiency. With convenience and reliability as the foundation of the Spectra Geospatial brand, it is an ideal choice for value. The Spectra Geospatial brand is backed with the strong technical support that users have come to expect from a quality name in surveying and construction.



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