SPECTRA PRECISION®

FOCUS 30 TOTAL STATION

FOCUS®

FIELD EFFICIENCY WITH ROBOTIC TECHNOLOGY FROM SPECTRA PRECISION

FEATURING WORLD CLASS SPECTRA PRECISION SURVEY PRO SOFTWARE

Introducing the powerful Spectra Precision® FOCUS® 30 Total Station. This fully robotic motorized solution provides improved speed, accuracy and precision in measurement. A robotic instrument moves the power of the observer from the instrument to the range pole improving the quality of your work.

ALL ROBOTIC INSTRUMENTS INCLUDE:

- Motorized drive system at the instrument
- A tracking sensor to track the range pole and prism
- A communication connection between the instrument and range pole and prism

STEPDRIVE

The speed of observation and precise positioning of the FOCUS 30 robotic total station is provided by patented StepDrive™ technology. StepDrive controls the horizontal and vertical motion of the motors, so there is no need for traditional motion locks. Using the motorized drives it is possible to precisely turn to, and repeat angle measurements. This results in quick and reliable measurements which substantially increases your staking productivity.

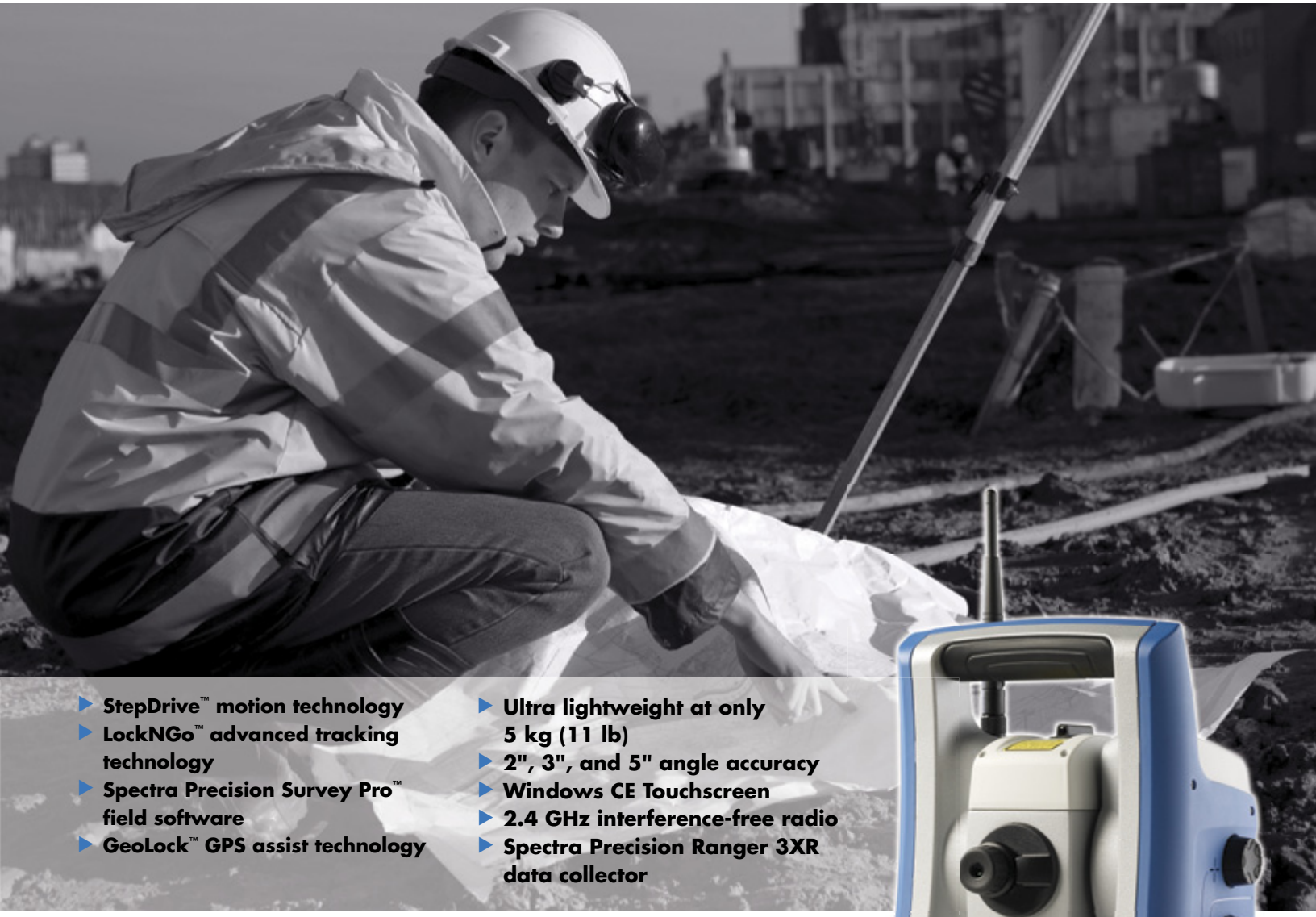
LOCKNGO

The Robotic and LockNGo FOCUS 30 models include a tracking sensor that uses LockNGo technology enabling the instrument to constantly lock onto the prism. The benefit of LockNGo technology is the ability to follow the prism at all times and reduces downtime from not having to re-point the instrument on every observation.

COMMUNICATION LINK

To maintain contact between the FOCUS 30 instrument and the remote observer with the range pole and prism, the robotic solution must include a communication link. The FOCUS 30 uses an integrated 2.4 GHz radio modem as does the Spectra Precision Ranger™ 3 data collector. The 2.4 GHz radio modems provide interference free robotic data communications. Once your robotic communications have been established you can control all the functions of the FOCUS 30 from the range pole as you move through the job site making measurements. This makes it possible for a single surveyor to perform high accuracy stakeout or topographic surveys by themselves. From high-order control surveys to topographic data collection or fast-paced construction stakeout, you can rely on a FOCUS 30, even in harsh outdoor conditions.

FIRST CHOICE OF SURVEYORS
POWERED BY SURVEY PRO



- **StepDrive™ motion technology**
- **LockNGo™ advanced tracking technology**
- **Spectra Precision Survey Pro™ field software**
- **GeoLock™ GPS assist technology**
- **Ultra lightweight at only 5 kg (11 lb)**
- **2", 3", and 5" angle accuracy**
- **Windows CE Touchscreen**
- **2.4 GHz interference-free radio**
- **Spectra Precision Ranger 3XR data collector**

THE FOCUS 30 TOTAL STATION

Combined with Spectra Precision Survey Pro field software, providing you with world class software solutions for any surveying situation. An example of these features includes a unique robotic software technology that can be used when associating the FOCUS 30 with a low-cost GPS receiver and Survey Pro software. This combination of technologies allows the user to take full advantage of the Spectra Precision GeoLock™ technology to keep locked on target.

THE SPECTRA PRECISION GEOLOCK TECHNOLOGY

Technique allows a robotic total station to perform an aided search for an optical target using an initial GPS position. The remote instrument can then be directed towards the robotic roving operator using the GPS position and a subsequent search is quickly performed to re-acquire the target at the robotic rover. This technique greatly reduces wasted time, improving your field work efficiency.

The FOCUS 30 solution is best described as Simply Powerful. Packaged in a modern, sleek, and streamlined design, it is easy-to-use, affordable, and tough.

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