

*Desoutter*



**Industrial** Tools



**eCompass**  
Gyroscope  
Angle Compensation

Cost savings  
Improved Accuracy  
Greater Flexibility

**More Than Productivity**



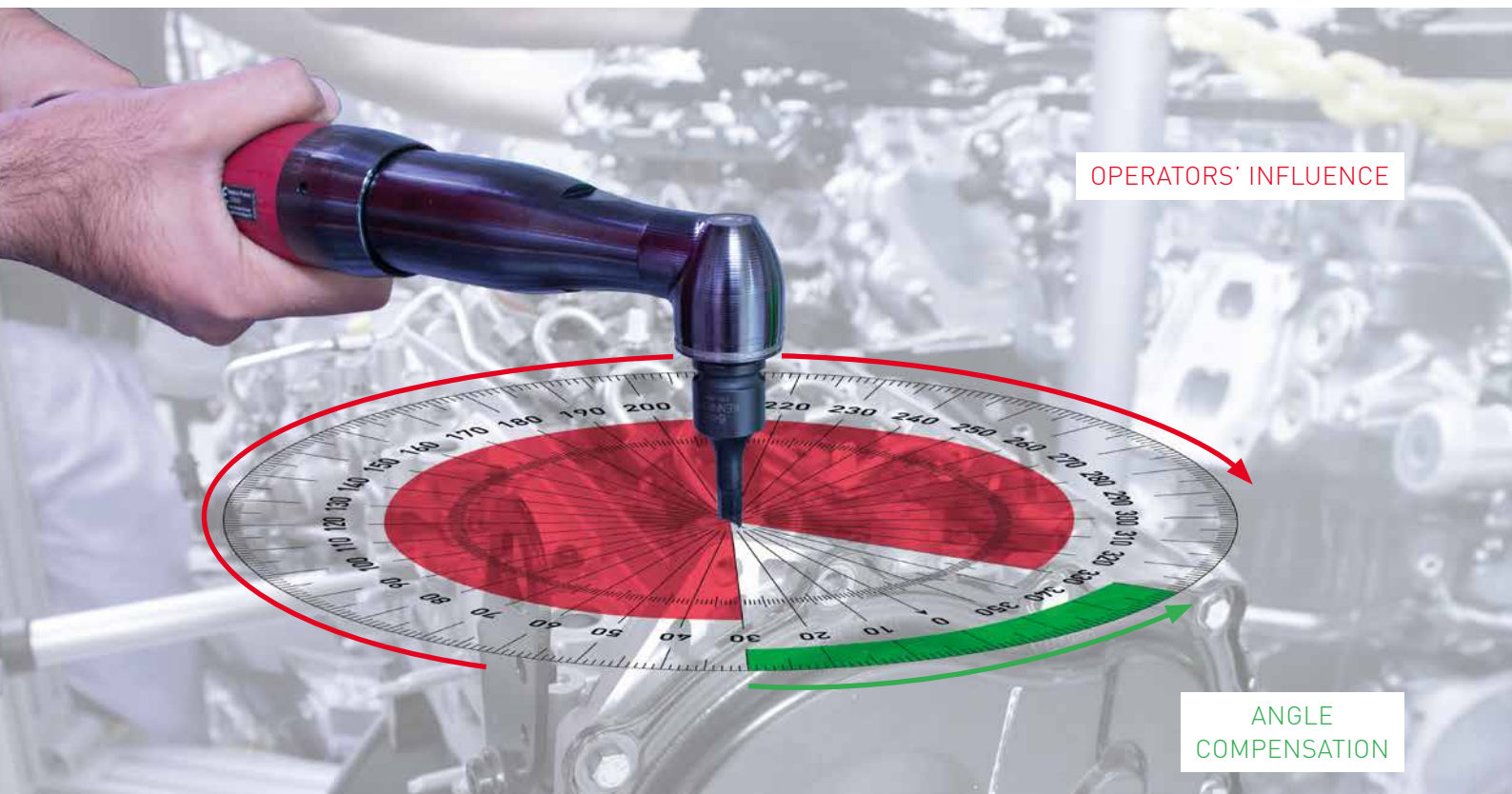
## eCOMPASS - THE GYROSCOPE BASED ANGLE COMPENSATION

Even in this era of highly accurate and precise tools, the quality of tightening still depends on operators. The operators' movements can have considerable impact on the quality of a tightening process, especially while using the angle control strategy. **Conventional tightening tools measure the motor angle only**, which does not indicate the impact of tool movement on the joint.

Conventional solutions to avoid tool movement involve tool fixtures, which are expensive, complicated to install, heavy, and requires timely maintenance. In addition, such fixtures are not ergonomic as they limit the operator's freedom of movement.

eCompass provides a **cost-effective, ergonomic and efficient solution** to mitigate operators' impact due to movement of the tool on tightening processes. The eCompass feature is enabled by an **on-board gyroscope** that **measures and compensates for operator movement while tightening in real time**. It guarantees accurate total angle output while providing the **full traceability** on the motor angle, operator movement and the final output on the tightening joint.

eCompass offers a great value by boosting your **productivity, flexibility and up-time**.



OPERATORS' INFLUENCE

ANGLE  
COMPENSATION



## COST SAVINGS

- eCompass lets you eliminate the superfluous costs for fixtures, torque arms installations and other motion limiting supports.
- Reduces rework, scrapping & warranty costs by improving the quality of a tightening process.

## IMPROVED FLEXIBILITY

- Tool may be swapped easily from one station to another without installing any additional supporting fixtures.

## IMPROVED SAFETY

- eCompass allows for the restriction of the tool's movement within a predefined angle, thereby reducing the risk of movement related accidents.

## IMPROVED ERGONOMICS

- eCompass allows the operators to move more freely, and provides a greater degree of movement without any physical restrictions.

eCompass option is available on CVI3 controller range with all the corded anglehead tools (EAD) upto 200 Nm torque range.



Contact your Desoutter representative for a demo and additional information.

# More Than Productivity



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English  
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March 2019 - Issue 1