

# Leica MSS400i Series Sensors

## Maximise excavator productivity with SP Technology



**icon**  
intelligent construction

**New MSS400i series sensors incorporating SP Technology open new opportunities for excavators, combining ease-of-use, unrivalled flexibility, and the highest precision at the fastest speed available on the market.**

### **SP Technology - Bringing faster results**

Providing improved sensor technology that allows faster digging without loss of precision at higher speeds, dramatically increasing machine utilisation and productivity. Excavators can now take on more fine grading jobs, allowing contractors to complete work with fewer machines, ahead of schedule and under budget.

### **High precision attainable at any speed**

Inertial measurement guidance (IMU) combined with gyroscopes offer you the most responsive sensor technology on the market. SP Technology enhances significantly the GPS performance, reduces the need for rework and increases uptime during poor GPS/GLONASS coverage or temporary loss of correction signals. Maintain full speed, accuracy and productivity on challenging job sites such as deep cuts, urban canyons, mountainous or hilly terrain, and heavily wooded areas.

### **Key benefits**

- Increase your excavator's speed, precision and productivity
- Increase in uptime due to a 20 % decrease in installation and performance time and 30 % decrease in calibration time
- Reduced need for rework and increased uptime during poor GPS/GLONASS coverage
- Overdig protection as a result of SP Technology
- Receive instantaneous updates on the in-cabin display ensures the operator no longer has to wait for updates
- "Dead spots" eliminated with accurate reading over a 360 degree range of motion

- when it has to be **right**

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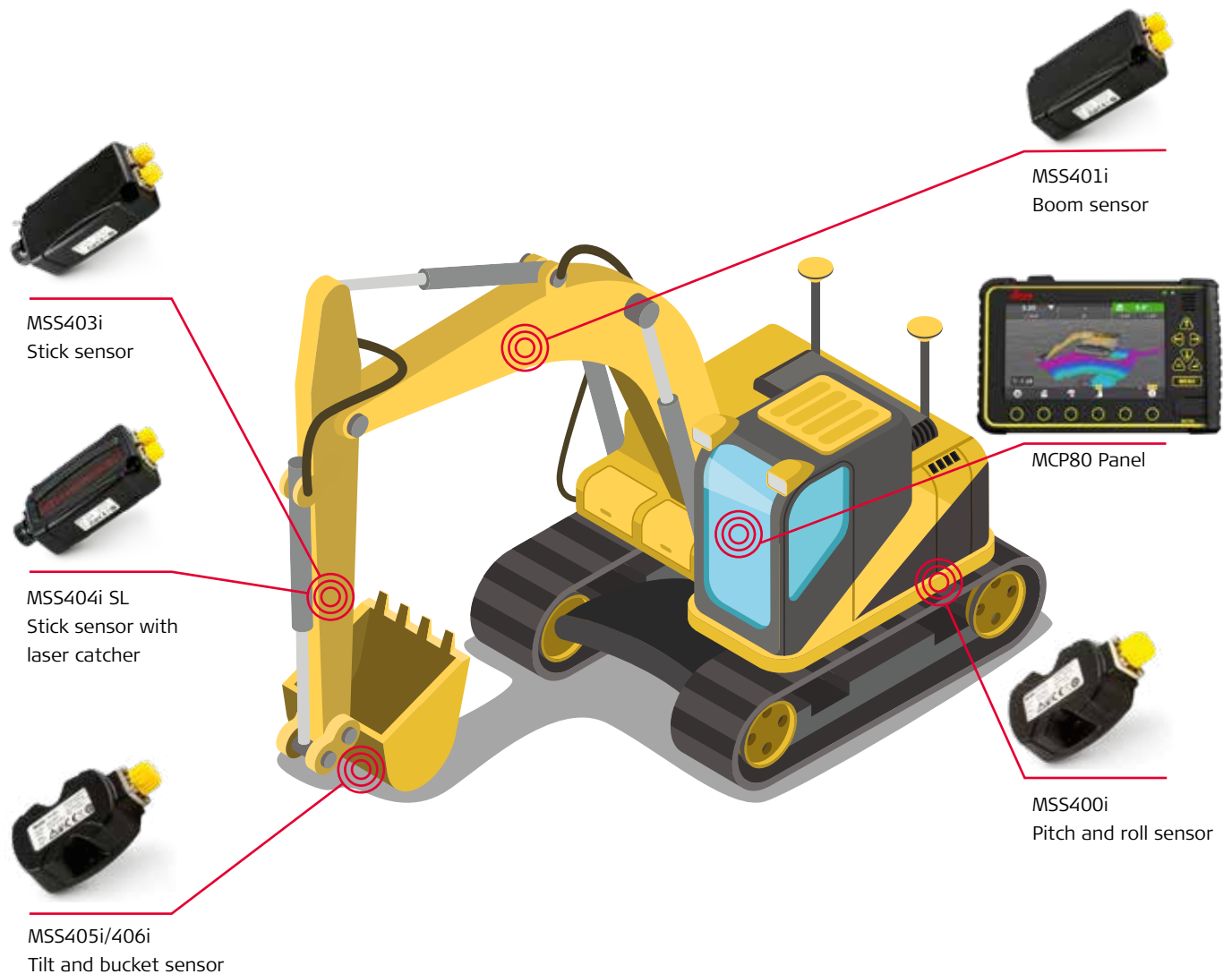
# MSS400i Series sensors with SP Technology - setting new standards for Leica iCON excavator solutions

## State-of-the-art sensor technology

The SP Technology offers better dynamic update performance of the machine's positions, allowing the machine to move faster and still keep guidance values on the operator's panel accurate. More precise angle calculation enables the machine to be used more efficiently, and the more robust and tougher design reduces the downtime of the excavator.

## No learning curve, no reconfiguration

All excavators equipped with iCON excavate and GNSS can be easily updated to get the full benefit of this incredible SP Technology. Complexity is removed compared to a regular guidance system with regard to installation and operator usage.



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