



Normet SmartSpray Lite, Pro and ProPlus

Defining the future

UNDERGROUND

normet

NORMET.COM

PRODUCT DETAILS

NORMET SMARTZZSPRAY - TOWARDS AUTOMATED CONCRETE SPRAYING

As talented operators are becoming increasingly difficult to find, and the quality of the sprayed concrete can vary critically between operators Normet developed the SmartSpray system to minimize the operator effect to the result and increase the productivity of the spraying process.

Normet offers three different versions of SmartSpray: SmartSpray Lite, Pro and ProPlus, and it is available for Spraymec 8100 with SmartSpray Boom SB 508 and for NorRunner 140 with SmartSpray Boom SB 514. Boom coverages are presented on Spraymec 8100 and NorRunner 140 technical data sheets (www.normet.com).



Our customers in Norway are using the SmartSpray system. Scan the QR-code to see a testimonial.



SmartSpray Lite

With SmartSpray Lite the operator controls only the spray nozzle instead of all the spray arm joints, which means that instead of the traditional two or four joysticks, the operator uses only one joystick to move the spray arm.

In the Lite version, the nozzle alignment is kept constant in relation to the surface being sprayed, thus ensuring that the nozzle is optimally aligned with the surface. This allows the operator to achieve consistent and high-quality spraying results.

- Coordinated boom control system to operate spraying nozzle position
- Speed of the spray nozzles can be adjusted from the remote control
- Possibility of locking the central joint for simplified operation similar to a telescopic boom
- Auto-nozzle function to maintain spraying nozzle angle
- All sensors have protection class IP69K and sensor shielding are specifically designed for concrete spraying use
- Switch between standard or assisted spray mode during operation
- Works with all Normet remote controls designed for spraying boom operations



SmartSpray Pro

SmartSpray Pro allows the spray nozzle and boom to be moved automatically to simplify repetitive patterns of movement. In point-to-point control mode, the spray nozzle automatically travels back and forth along a straight line between two defined points. The operator can adjust this straight line or a segment of it during operation with just one joystick. SmartSpray Pro combines this point-to-point function with automatic nozzle alignment, making spraying even easier. All the operator has to do is move the spray line to the next segment and maintain the distance to the surface. This functionality is for example very useful to spray large and smooth surfaces in big tunnel cross sections.

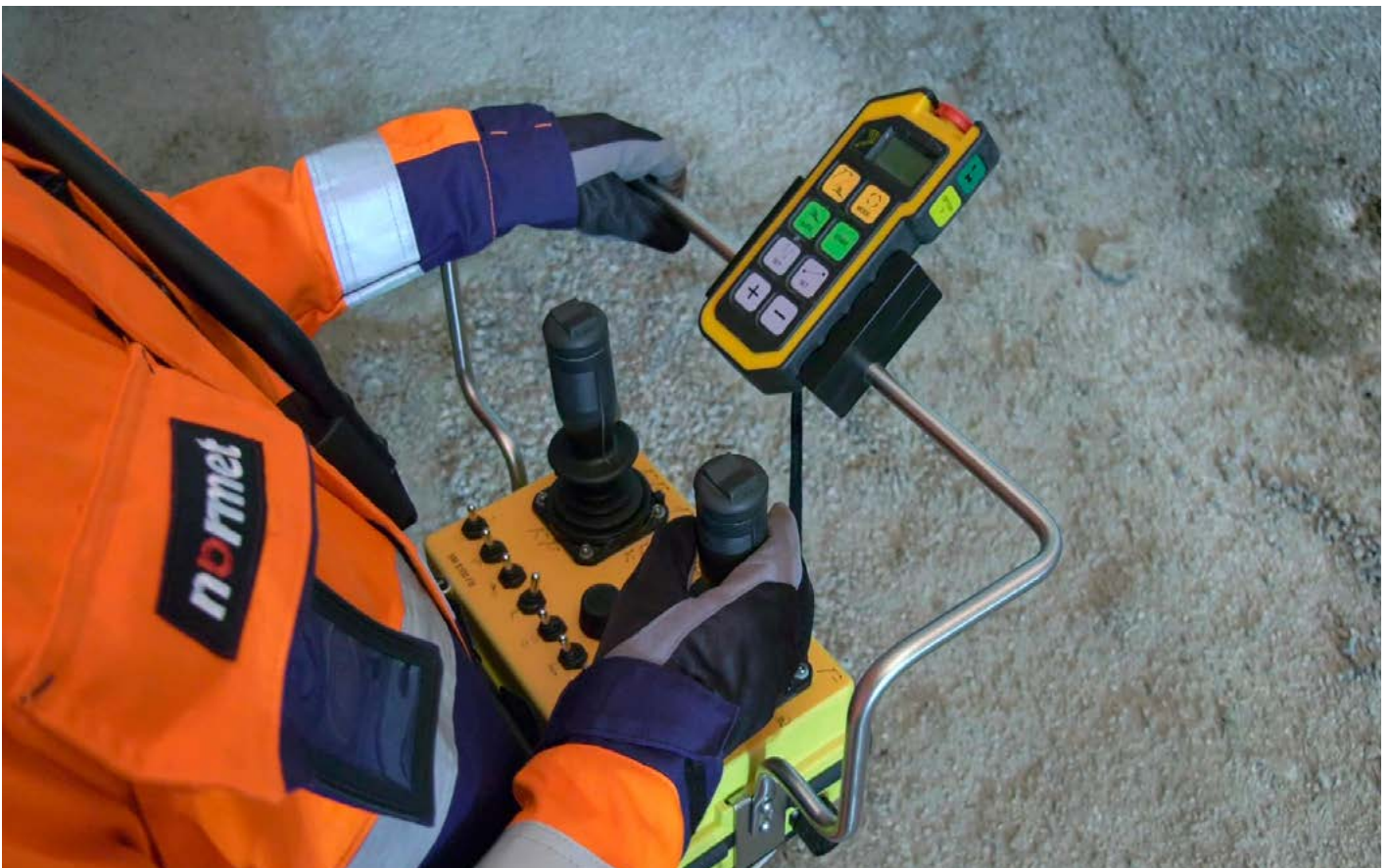
- Includes all SmartSpray Lite functions
- Coordinated boom control system to operate spraying nozzle in point-to-point spraying mode
- Re-orientation of coordinate system
- Additional radio remote control for SmartSpray Pro functions
- Works with all Normet remote controls for spraying boom operations

SmartSpray ProPlus

With SmartSpray ProPlus a predefined area can be sprayed fully automatically. In this mode, the control system maintains the set distance between the spray nozzle and the surface, while automatically maintaining the correct speed to achieve the desired concrete thickness. The SmartSpray ProPlus system calculates a path for the nozzle movement so that the defined areas are sprayed automatically. This technology turns your novice sprayer into an experienced master.

- Includes all SmartSpray Lite and SmartSpray Pro functions
- Automated area spraying
- Accurate spraying distance controlled by NorSmart system
- Nozzle speed synchronized to concrete pump output to enable spraying of selected layer thickness
- Defining the spray area by pointing and marking with the spray nozzle

Radio remote control with additional controller for SmartSpray Pro and ProPlus.



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Russia
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Switzerland
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Ghana
South Africa
Zambia

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China
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India
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Mongolia
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WE ARE LOOKING FORWARD TO TELL YOU MORE

For more information, please contact your local Normet representative, visit [normet.com](https://www.normet.com) for contact details.

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