

Digital road construction with the VÖLKEL Navigator

Networking of machinery across all available mobile networks



CompactDoc Navigator web-app

Monitoring of all current construction projects via PC and mobile devices



Surface temperature sensor asphalt

- The temperature sensor is mounted on the sensor carrier and measures the temperature behind the screed
- Measurement width ca. 13 m (height 3.8 m)
- Storage grid 25 cm
- Field of view 120° x 10°
- Measurement range 50 ... 300 °C
- Compact size without moving parts



Intelligent node

All machine-specific settings are saved here. This allows the navigator to be easily changed from machine to machine.



VÖLKEL

MIKROELEKTRONIK

PAVE Navigator

Digital road construction with the VÖLKEL Navigator



SIMPLY
INSTALL
SUCCESS

VÖLKEL

MIKROELEKTRONIK

Völkel Mikroelektronik GmbH

Otto-Hahn-Straße 30

48161 Münster

Germany

+49 2534 9731-0

info@voelkel.de

www.voelkel.de

www.voelkel.de

Clear separation of the pre-equipment and navigator set

Navigator set

The Navigator display can be easily installed and removed on pre-equipped machines using a quick-change setup with just a few simple steps. The GNSS RTK receiver with an LTE modem is precisely and quickly positioned using powerful magnets.



Navigator set

- Navigator display
- GNSS RTK receiver with LTE modem
- Sturdy hard-shell case



GNSS-RTK-receiver with LTE modem



Navigator display with quick-change connection



Weather station [optional]



Surface temperature sensor Asphalt



Sensor carrier [Assembly including components]

PAVE assembly set

For the paver, Völkel also offers the PAVE installation set. It includes the lowerable sensor carrier with a surface temperature sensor and optionally a weather station. The GNSS-RTK receiver with an LTE modem can be attached to the sensor carrier by means of magnetic mounting.

PAVE assembly set

- Sensor carrier with surface temperature sensor
- Sturdy hard-shell case

Truck docking sensor



Display quick changer

Can be flexibly positioned during installation



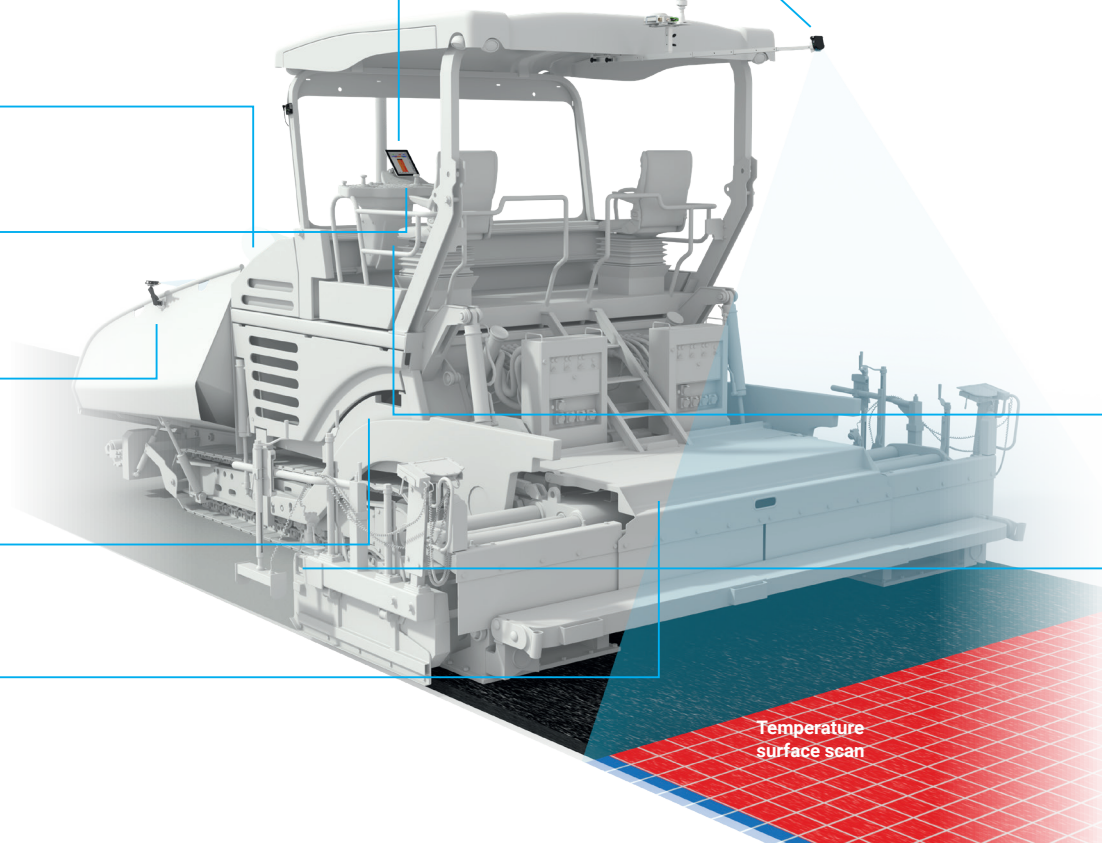
Temperature sensor Pro for asphalt falling current measurement [optional]



Asphalt temperature sensor Underground [optional]



Temperature sensor Pro [optional]



Pre-equipment

The pre-equipment comprises all installed parts and can be mounted on any machine from any manufacturer. Machine-specific settings are stored in the intelligent node.



Intelligent node



Wire rope sensor Width measurement plank [optional]