





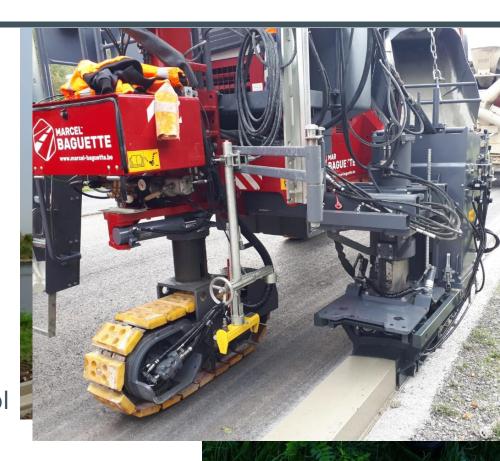
System Components

2x GNSS Receiver on machine: position and heading

GNSS base station: RTK correction signal

Robotic totalstation: precise elevation control

Sonic Ski: relative elevation control copying subground





System Components

Fieldrover as key system component:

GNSS receiver and rugged Tablet computer running Wirtgen software





Overview



► How does it work?

Click Animation:





Main Functions

Mapping of Objects:

easy to use tools to create precise and smooth objects directly on site

Inspect function:

Quality check of measured data directly after storing an object





Main Functions

and panning

Map screen of entire Jobsite: easy overview using standard touch features such as zooming

DXF Import function:

fully automatic import including data content check

Data Quality check:

Automatic deflection check of steering and elevation data





Main Functions

"back to stringline" Easy to use graphical editors to adjust objects directly on site Patent pending

"back to stringline" Adjust elevation profile on the job in order to match site conditions

"back to stringline"
On the fly control measurement to check interference with existing structures





Customer Benefits

No need for conventional stringline

Fast, easy and precise using information directly on the jobsite

Complex objects can be created and paved in a fraction of time

No waste of concrete due to flexible data editors, which allow changes on the fly





Competitive Advantage

Cost: no other machine manufacturer offers such a system. Standard 3D systems are 2-3x more expensive

Manpower: easy to use by job foreman, NO engineer required

Speed: 10x as fast as setting out stringline

Machine performance: even complex shapes can be paved comfortably

Support: directly from Wirtgen specialists





SP 15i:

- Curb profile
- 2km length
- Data model created with Fieldrover
- AutoPilot with
 Totalstation elevation control

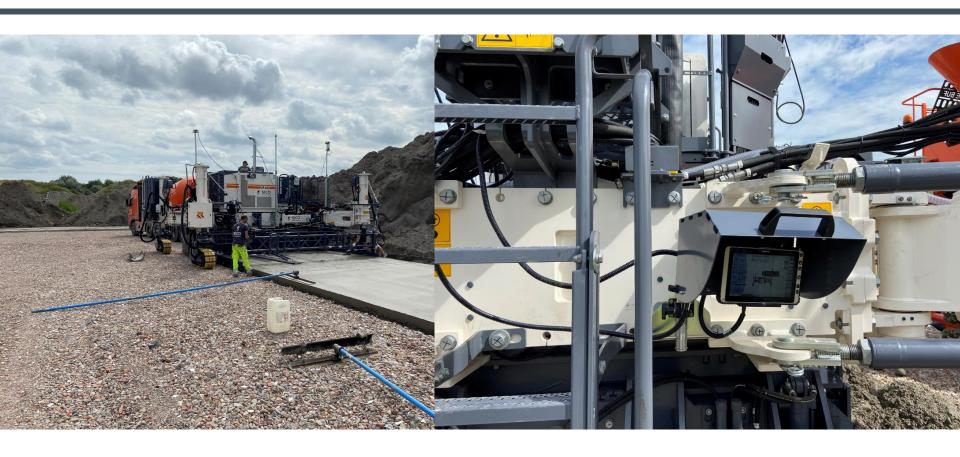
Belgium













SP 15i / Trimmer:

- Curb profile
- industrial parking lot
- tight radius paving
- Data model imported from site engineer
- AutoPilot with
 Totalstation elevation
 control

Virgina, USA









SP 15i / Trimmer:

- Curb&Gutter profile
- residential area
- existing structures
- Data model created on site with Fieldrover
- AutoPilot with
 Totalstation elevation
 control

Virgina, USA









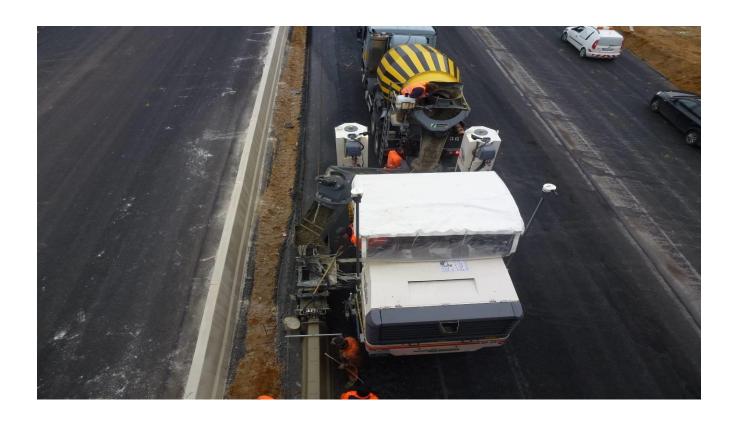
SP 25i:

- 90 cm barrier wall
- extra long mold
- data model created on site with Fieldrover
- AutoPilot sonic ski sensor

2,5 km jobsite near Cologne









SP 64i:

- 12ft wide shoulder
- left side elevation control "locked to grade"
- right side 3D elevation control with totalstation
- 3D Steering with Autopilot GNSS sensors
- 2 miles jobsite near Los Angeles

