

# ROBOT PLOTTER

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## Autonomous (pre)marking



Autonomous  
(pre)marking



High accuracy



Labour saving



More safety



Cost saving

### Autonomous (pre)marking

The Robot Plotter is the solution to indicate quickly and reliably where road marking or new asphalt layers must be applied. The Robot Plotter is a compact, autonomous, self-driving robot that, with the help of digital drawings and RTK-GNSS, sets out lines on asphalt with high accuracy. Setting out lines with the Robot Plotter takes 12 to 16 times less time than setting out traditionally with a 3 or 4-man crew. This saving on labor obviously also saves considerably on costs.

### High quality

The Robot Plotter is designed to enable its users to set out as smoothly as possible. That starts already with the preparation of the work for the Robot Plotter. Via the associated web-application Tyker Civil the tasks with the drawings to be used can be uploaded and checked in advance. Thus, it is prevented that during the work itself errors in the drawings are revealed that could have been prevented. The Robot Plotter itself is of the highest quality and complies with the legal safety requirements. The Robot Plotter is assembled using high quality industrial components. The design of the Robot Plotter and its control system is optimized to set out with the highest accuracy. Furthermore, the Robot Plotter has many useful options such as control using a Total Station.

### Very user friendly

The Robot Plotter is compact and easy to deploy. The robot fits in the trunk of a compact car. This way everyone can easily take it along. The machine can easily be provided with drawings with the lines to be set out via the Tyker Civil Web application, or via a USB stick. Even during performing the work, someone in the office can make new drawings available for the Robot Plotter. Operating the Robot Plotter is very simple. After loading a drawing on the Robot Plotter, the lines are visible on the screen of the Robot Plotter. Via manual control with the joysticks on the remote control the Robot Plotter can be driven easily nearby the lines to be set out. By selecting the line to be set out via the touchscreen and switching the Robot Plotter to 'auto', the Robot Plotter will set out the selected line. Someone who has never worked with the Robot Plotter before can work with it within fifteen minutes.



## Excellent after sales service

Quality and ease of use, that's what the Robot Plotter stands for. You will not only notice this when working with the Robot Plotter. Also the Robot Plotter after sales service is good. The Tyker team has all the knowledge and technology to bring and keep your Robot Plotter into perfect condition. For support, Tyker has a special phone number and email address so that you are helped by the right people as quickly as possible. If necessary, they can view your Robot Plotter display remotely to help you. So we are always close. Even occasional issues can be analyzed afterwards based on historical performance. We are also always open to ideas about how the Robot Plotter can do even better and we like to discuss these ideas with you. Because development never stops at Tyker. We regularly release new software versions of both the Robot Plotter software and Tyker Civil. New software versions are installed remotely on your Robot Plotter.

## What customers are saying

Meanwhile, the Robot Plotter has many enthusiastic users. Below a number of quotes from leading road construction parties in the Netherlands are printed. Van Velsen Reflectielijnen is the market leader in road marking in the Netherlands. KWS and Heijmans are among the largest road construction companies in the Netherlands. Geomaat is a well-known surveying company in road construction.

*"Previously, setting out had to be performed by multiple people, now this can be done by one person. The robot is light and handy, making it easy to transport. It is even possible to start on hot asphalt earlier!"*

Gerard van der Mee, Van Velsen Reflectielijnen  
(<https://vvr.nl/diensten/robot-plotter>)

*"In two hours, the Robot Plotter does what takes a day's work manually. In addition, the device is because of the GPS receiver more accurate than humans. This ensures flexibility and speed. The machine also complies with the Machinery Directive (CE) and the legal safety requirements. The graphical user interface on the remote control is very easy to use. Via the laptop the production can be followed well, so no unclarity can arise regarding the meters set out."*

Paul van Elten, KWS  
(<https://www.kws.nl/nl/producten/detail/robot-plotter>)

*"There were previously three employees needed to get this job done, now one colleague with the cart does the job quickly and thoroughly. Because the plotter fits in the trunk, you can work very quickly and flexibly. This way you are not only in no time at your destination, but are also ready to start and drive within five minutes. Many colleagues within Heijmans want to work with the plotter, but we only have one! That's why we recently ordered a second one."*

John Reekers en Niels Rasing, Heijmans  
(<https://www.heijmans.nl/nl/verhalen/zo-werkt-de-robot-plotter/>)

*"Since a little longer than one month we have been using the Robot Plotter for various projects. The first 120 km of lines are already set out through this technical innovation: with success and full satisfaction! This compact device sets out the lines on the asphalt in a fast and accurate way. Thanks to the robotic Plotter, we save man hours".*

Gerko Tibbe, Geomaat (<http://www.geomaat.nl/nieuwe-robot-plotter/>)

# TYKER

**Bronland 12-Z**

**6708 WH Wageningen**

**The Netherlands**

**T: +31 (0)317 20 20 10 (office)**

**T: +31 (0)317 20 20 22 (sales)**

**E: [info@tyker.com](mailto:info@tyker.com)**

**I: [www.tyker.com](http://www.tyker.com)**

