

YOUR WORKING AT HEIGHT PARTNER





Citymaster 1650

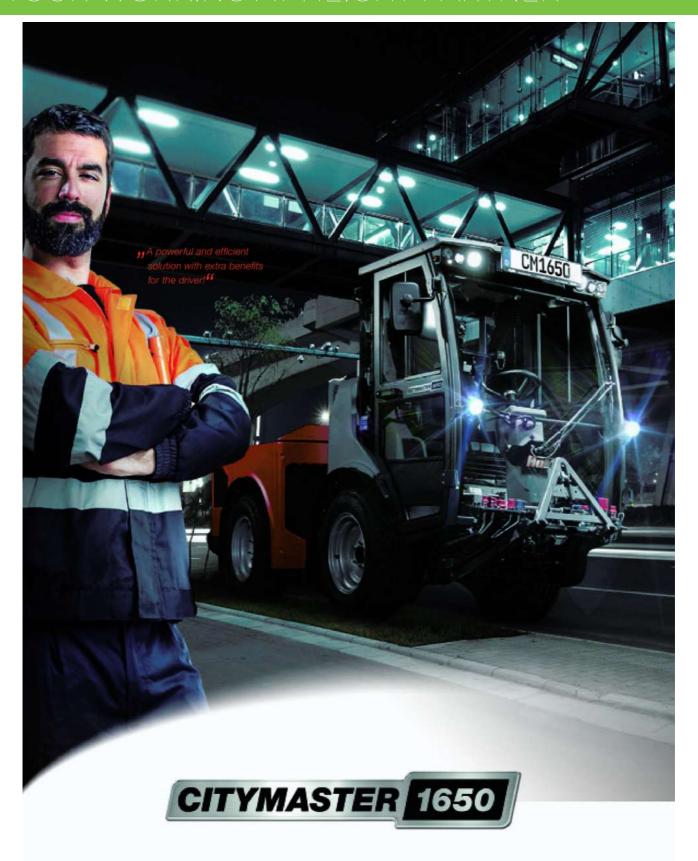
More working comfort in all conditions

Multifunctional city cleaning machine in the 3.5-t class



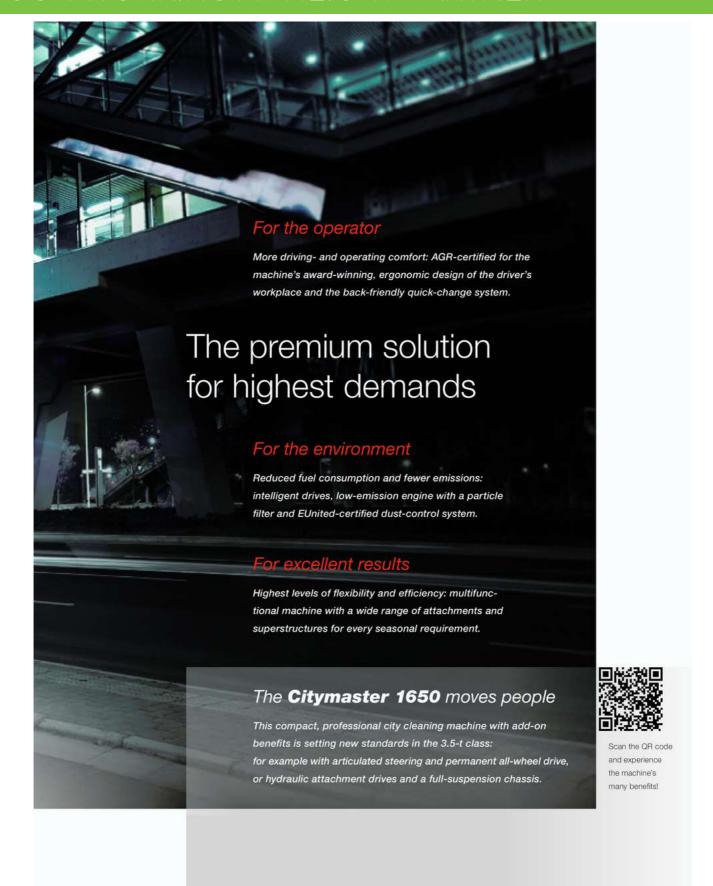








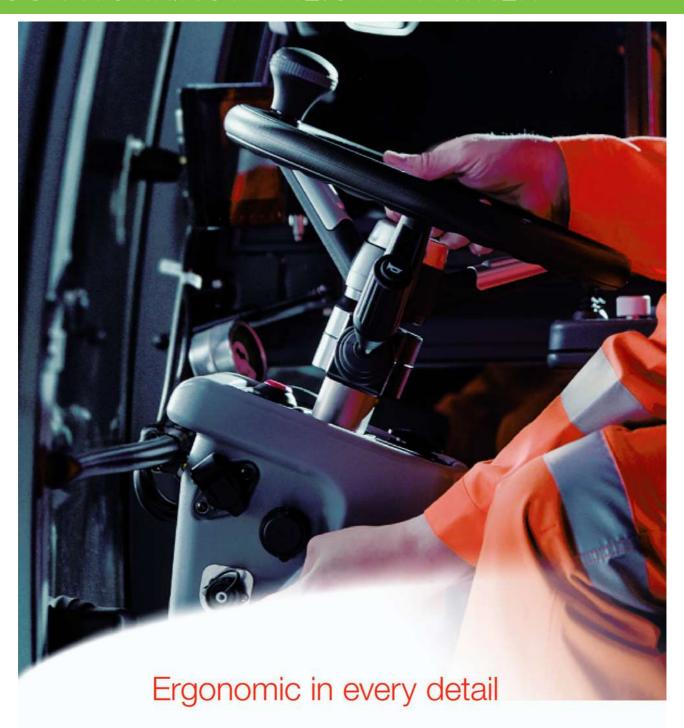








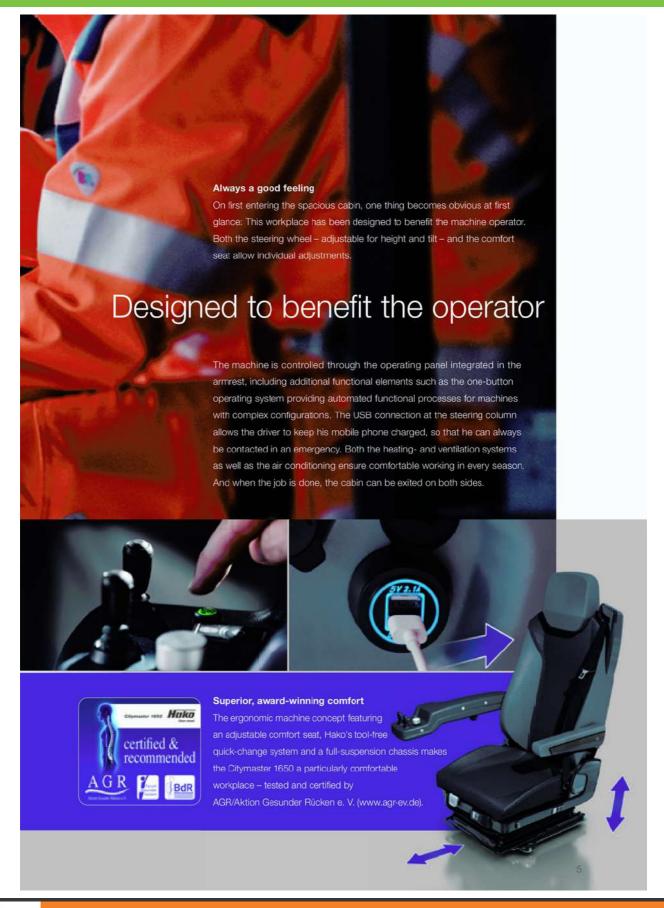
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The Citymaster 1650 offers an extensive range of innovative features providing more working comfort, safety and efficiency – whether used exclusively as a compact road sweeper or as a versatile implement carrier for all-season municipal application. After all, even the best machine is only as good and efficient as its operator. The Citymaster 1650 has therefore been designed as an ergonomic, mobile workplace that protects the operator's health, makes his daily work routine easier – and thus increases his efficiency at work.











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Compact, manoeuvrable, high climbing ability: The Citymaster 1650 can work in all paved urban areas – without restrictions and at maximum payload. Thanks to the machine's slim design and high level of manoeuvrability, Hako's solution covers the performance range of a larger sweeper while allowing employment even in confined areas and on footpaths.

The Citymaster 1650 offers all the characteristics and benefits of a larger sweeper but can be driven by anyone holding a Class-B driving licence.



Ready for use in all conditions

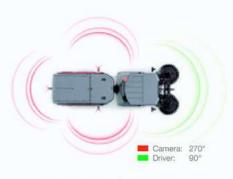
The sophisticated, full-suspension chassis enables effortless kerb-climbing and driving on poor roads and paths – without compromising on either the driver's comfort or safety.





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Everything at a glance: The fully glazed comfort cabin offers the driver an excellent view of his surroundings. The camera system extends the driver's field of vision by another 270° – and automatically provides a view to the side when turning





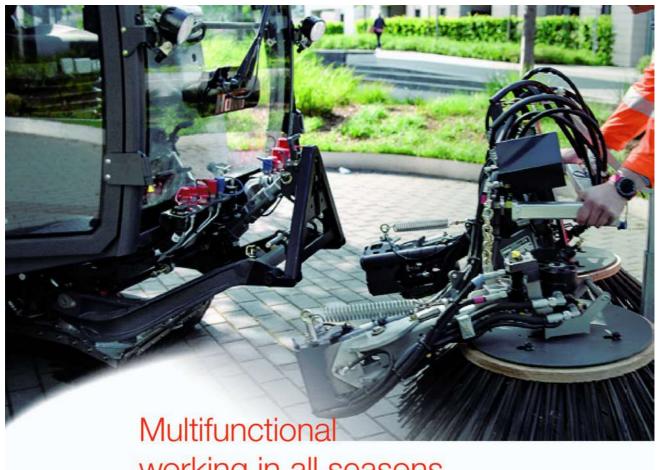


Keeping an eye on what's most important

Working in complex environments with heavy pedestrian traffic is a particularly challenging task for operators of Municipal Technology machines. Hako deals with this challenge by offering sophisticated safety concepts: for example camera assistance systems providing a 360° view even when the driver's field of vision is reduced by obstacles, or when reversing or turning. And thanks to the full LED lighting system, the driver always has a perfect view of his surroundings, even in poor light conditions – for safe working at any time and season.







working in all seasons

The Citymaster 1650 has been designed for all-season application to provide maximum flexibilty and economic efficiency. In addition to being used as a professional sweeper, this machine can easily and effortlessly be re-tooled for a wide range of different applications - thanks to the quick-change system allowing back-friendly and tool-free changing of attachments and superstructures and docking to the machine's four interfaces. For example for:

- · seasonal applications such as winter services
- · various applications in the field of grounds- and road side greenery maintenance
- · intensive yet gentle wet cleaning of heavily soiled areas

Weed removal Snow clearing



Pulling Spraying







Quickly ready for use: thanks to the quick-coupling triangle providing easy changing

of attachments.





































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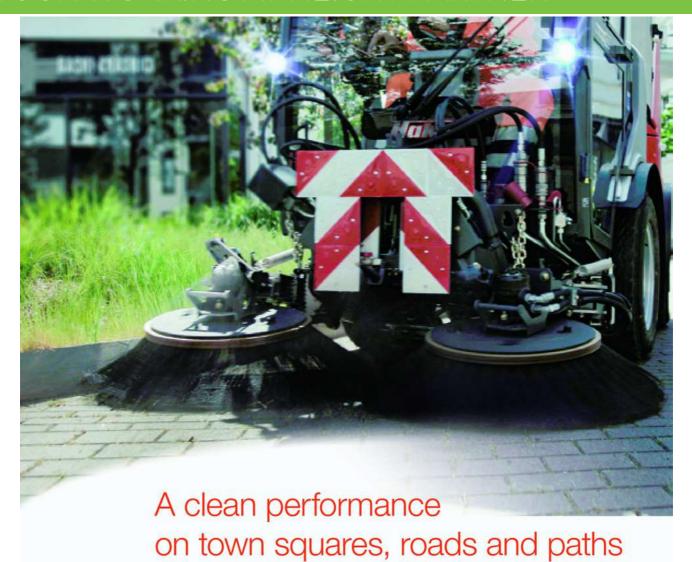
365 days. Countless tasks. Only one machine!

Each season comes with its very own challenges for Municipal Technology equipment. Whether city cleaning, grounds maintenance or winter service - Hako meets every challenge by applying the principle of consistent multifunctionality: Thanks to the wide range of different attachments and superstructures available, you need only one machine to carry out a whole host of applications - 365 days a year; for efficient city cleaning, grounds maintenance or winter service tasks. We simply call it "One for all". And our customers say: the right machine for every application.





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As a professional sweeper equipped with a 2- or 3-broom comfort sweeping system, the Citymaster 1650 not only provides perfect cleaning results: Our patented circulating water system offers maximum dust control to ensure clean exhaust air and lowest possible particle and fine dust emissions, which is a clear benefit for both the operator's health and the immediate surroundings.



Gentle yet effective cleaning – when sweeping alone is not enough!

Equipped with Hako's CityCleaner attachment scrub deck, the Citymaster 1650 is ideal for carrying out intensive wet cleaning tasks. Perfectly suited for almost all types of surfaces. Goes easy on pavements and joints. And the circulating water system with efficient filters ensures optimal cleaning results.









E-United: Highest award for lowest possible fine dust emissions

No chance for dirt

Sweeping up, sucking in, and carting off dirt and debris

The tangential suction system with an energy-saving blower ensures that dirt and debris is reliably collected while the sweeping system goes easy on pavements and joints, and our efficient separation system provides maximum filling of the universal hopper - for extended emptying intervals and a higher payload.







Gets in almost every corner: The steering system with articulated joint ensures excellent manoeuvrabilityven when sweeping in reverse gear.

Weed control without chemicals: The weed broom provides mechanical removal and collection of weeds.

Perfect results on all levels

To ensure optimal cleaning results, the brooms with hydraulic broom-head-adjustment system can be adapted to different types of gutters. The pre-sweep broom can also be used for second-level cleaning of footpaths or even traffic islands. And what's particularly practical: Thanks to the double-joint broom arm, there is no need to adjust the unit when changing from sweeping one side of the road to the other.













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Highly flexible in grounds maintenance

From mowing grass and cutting back roadside greenery to maintaining sports grounds and public parks: The Citymaster 1650 is ideally suited for every green-area maintenance task. Thanks to its universal hopper, the machine can also be used to mow and collect grass; and the central suction system allows safe maintenance of roadside greenery in flowing traffic, even working close to kerbs on both sides of the road. In addition, large rotary mowers – designed as either rear-discharge or mulch mowers – as well as different flail mowers are available for mowing large areas.







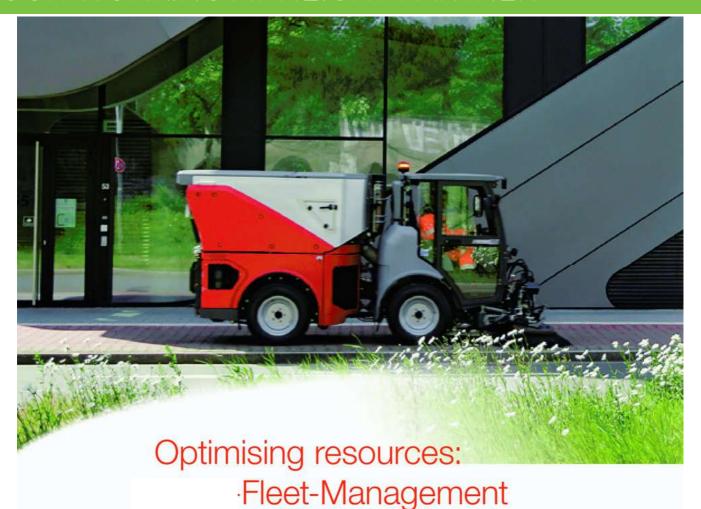
Perfectly equipped to fight ice and snow

For more safety in cities and municipalities: The Citymaster 1650 can be equipped with a wide range of different snow ploughs and universal front sweepers to clear roads, paths and public places from ice and snow. Powerful rotary snow blowers can easily deal with even large amounts of snow. Equipped with a loading bed and a rear-attachment gritter or with a top-mounted silo gritter, the Citymaster fights black ice reliably and effectively.





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The larger the number of machines in your fleet, the more important it is to have a good overview of all relevant key data. With Hako-Fleet-Management, Hako offers fleet managers a digital solution for keeping their fleet of machines reliably under control – accessible around the clock and on all web-based systems. To ensure optimised operation of your fleet, Hako-Fleet-Management consists of four modules that can be individually combined with each other:



view.X

supports economically efficient utilisation and management of your fleet. All evaluations are available online 24/7, and are easy to retrieve thanks to the tool's intuitive user interface.



view.X.live

contains all data and information recorded by view.X. In addition, all operation-relevant data of your fleet of machines is transmitted "live" and then visually processed in the web portal. This information can be used as a performance record for clients.



entry.X

is our optional electronic machine access authorisation system which enables fleet managers to set up access accounts for authorised users only.



data.X

is an interface for authorised third-party suppliers of telemetric systems allowing local access to raw operating data directly at the machine.







Pictures may show optional equipment.











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Cleanliness meets safety: Our machines meet even the highest standards.



Excellent services

Full availability, full security

Permanent machine availability, minimal downtimes, and maximum economic efficiency: Thanks to both our close-knit sales & service network with 650 service technicians available around the clock all across Europe and our efficient spare part delivery service, plus our digital service solutions such as QR service codes attached to each of Hako's machines.

Attractive financing alternatives

We offer you a complete package of efficient machines and excellent services at fixed, calculable costs over the entire service life of your machines, perfectly adapted to meet your individual requirements and maintain a maximum of flexibility.



Leasing options – perfectly adapted to meet individual customer requirements.



Rental contract

ALL-IN-plus – financing,
maintenance and



Hire purchase – customised monthly payments in line with your liquidity.



Seasons – adapt your rental payments to your seasonal earnings.

