



**HAMM**

## Top-class compaction **SERIES HD+**







# Excellent visibility

The basis for top-class work

Driver safety is provided through a protective roof with ROPS.

The open frame and the shape of the tanks make for a clear view of the area directly in front of the drums.

A large operator's platform provides an unobstructed view of the working area directly around the roller as well as the surrounding site. Neither the exhaust pipe nor side rails interfere with the view. This visibility ensures high-quality compaction and a high level of safety.





The comfortable workspace in the large panoramic cabin of the HD+ provides the perfect conditions for concentrated working.

## XXL workspace

### Comfort and ergonomics

Drivers get to their daily workspace, the XXL operator's platform of the HD+, via a wide stepway with broad footplates. The convenience features continue with an optional rearward-tilting steering column that makes getting on very easy. The comfortable seat can be supplied with a backrest extension and fabric covers. The driver's seat can be rotated and moved sideways to the edge as standard, the height and springing are adjustable. The seat is always equipped with two armrests.

In addition, there are a wealth of agreeable details that characterise working in the HD+: for example, 12 V sockets for charging a mobile phone or for a cold box, ample storage space, several drinks holders and various fresh air nozzles. On request, a mobile cold box can also be provided as well as a lunchbox holder in all ROPS machines.

The tilt of the dashboard with steering wheel is adjustable to suit every operator.

The XXL cabin of the HD+ offers generous space and plenty of headroom.

The driver's seat can be moved sideways and rotated by 90° to either side.





The turning circle of the HD+ is remarkably small. This means that even the large models can manoeuvre well in tight spaces, too.

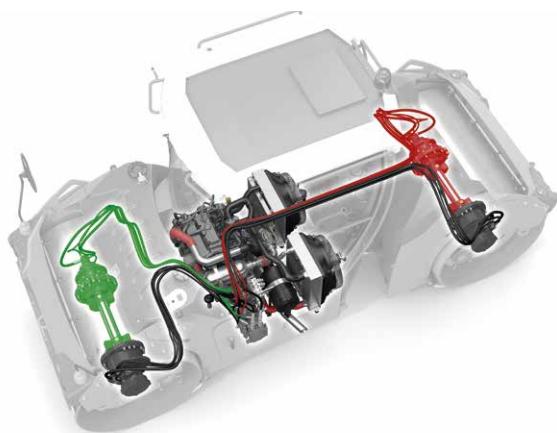
## A little extra quality

### Quality factor: articulated joint

The 3-point articulation developed by HAMM is the key to exceptionally even weight distribution, first-rate directional stability and high stability when turning together with great resistance to tipping. This benefit is particularly apparent when compacting on curved sections. Surfaces with impeccable evenness and no deformations are produced rapidly.

### Quality factor: compaction parameters

In addition to the usual adjustment of vibration frequency, many HD+ models offer yet another special option: the frequency and amplitude of each drum can be set independently, allowing extremely easy variation of the compaction parameters for each construction site and type of asphalt.



The panoramic cabin and the frame, which is open at the top, provide a clear view of the spray bar and spray nozzles.

The perfect interplay between articulated joint, vibration drives and the powerful water sprinkling system makes for high-quality compaction.



### Quality factor: water sprinkling system

With their large water tanks, the HD+ series rollers are equipped for long working days without stopping to top up. Here, the desired water delivery is automatically adjusted in line with speed. Two alternately operating water pumps, an optional antifreeze filling system and a triple water filtration system ensure maximum availability.

The position and mounting of the spray bar also help to ensure high quality: it is positioned in front of the cross member so that the driver has the sprinkling system in view at all times and can quickly adjust the water volume. In addition, the spray bar is secured in such an ingenious way that it can be mounted and removed in a matter of moments.





# Ready for big jobs

Large drums for large area coverage capability

Fully glazed panoramic cabin with large, wide-opening doors.

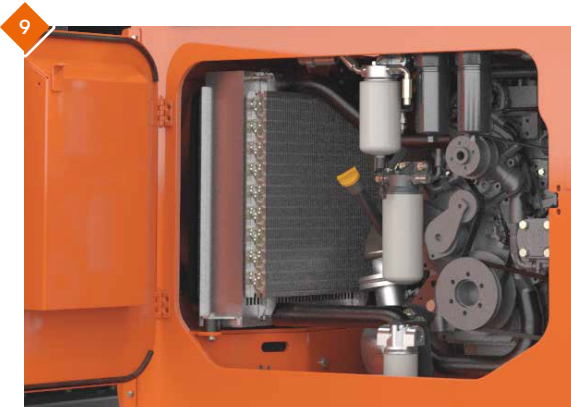


Everything about the HD+ series rollers is geared to performance: the generously sized tanks and the large drum diameters, as well as the powerful traction and vibration drives. Thanks to Hammtronic and many other intelligent solutions, the HD+ is very economical in use. That is the reason why these rollers are the right choice for efficient compaction of large areas.



The HD+ has won more design awards than any other construction machine in the world: it received the iF design award in gold, the red dot design award, the American "Good Design Award" and the French "Observateur du design". In addition, the Easy Drive operating concept received the Universal Design Award in 2016.





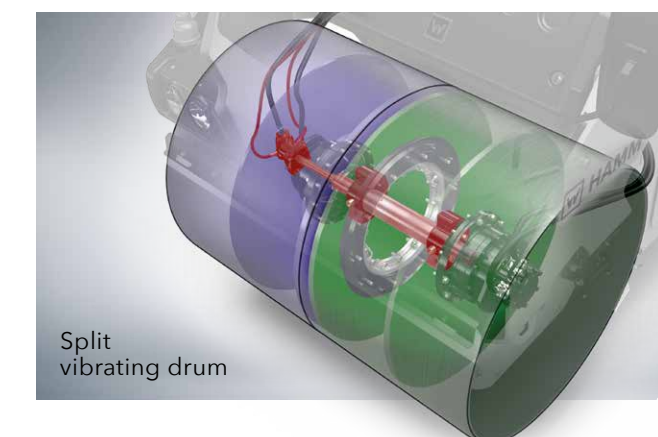
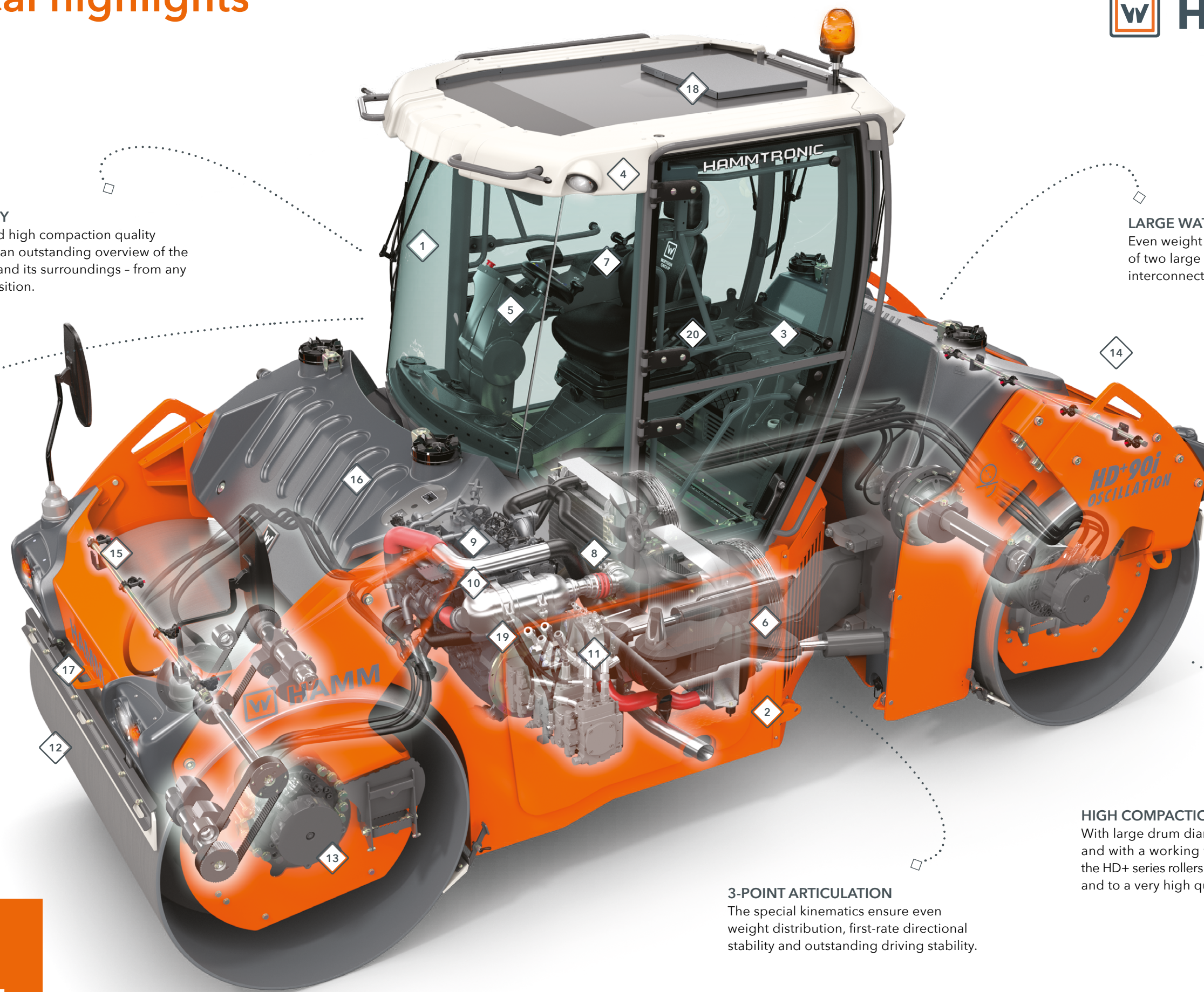
## The technical highlights at a glance



**VISIBILITY**  
Safety and high compaction quality thanks to an outstanding overview of the machine and its surroundings - from any sitting position.

**LARGE WATER TANKS**  
Even weight distribution on account of two large water tanks with interconnecting pipework.

**EASY DRIVE**  
Safe, intuitive operation thanks to clear, language-neutral operating elements and an ergonomically optimised workspace.



- 1 >> CABIN**  
XXL panoramic cabin with all-round view and ROPS. Generous headroom. Includes drinks holders and storage compartments. Two sockets (12 V) for cold box, etc. Optional split door.
- 2 >> STEPS**  
Steps to cabin on both sides, additional service steps in the drum area.
- 3 >> VENTILATION AND AIR CONDITIONING**  
Air outlets for agreeable climate control and supply of fresh air as standard. Ventilation slots for fast de-icing. Heating as standard. Air conditioning (option).
- 4 >> LIGHTING**  
Bright working spotlights on the cabin/roof. Halogen lights as standard; long-lasting, very bright LED technology is also available as an option. Optional LED drum edge lighting and coming home function.
- 5 >> EASY DRIVE OPERATING CONCEPT**  
In all models HD+ 90i - HD+ 140i: Ergonomically optimised operator's platform with mechanical seat movement and rotation; wide range of adjustment possibilities. Five-position steering column. Language-neutral design. Multifunction armrest with joystick for intuitive control of the most important functions, optionally rearward-folding.

- 6 >> STEERING**  
3-point articulation. Large track offset.
- 7 >> DRIVE CONTROL**  
Safe drive control with joystick and steering wheel. Pre-selection of maximum speed as standard. Automatic system for gentle braking and acceleration.
- 8 >> HAMMTRONIC**  
Electronic machine management system fitted as standard for monitoring of all engine and vehicle functions. Automatic adjustment of drive, vibration or oscillation drive and engine speed to the prevailing operating conditions. Anti-slip control with split drum. Significant reduction in fuel consumption, exhaust and noise emissions.
- 9 >> ENGINE**  
Future-proof, water-cooled engines with advanced exhaust post-treatment in line with the applicable regulations. Low-noise, environment-friendly operation.
- 10 >> ECO-MODE**  
Operation in ECO mode reduces engine speed, noise emissions and fuel consumption.

**3-POINT ARTICULATION**  
The special kinematics ensure even weight distribution, first-rate directional stability and outstanding driving stability.

**HIGH COMPACTION POWER**  
With large drum diameters and widths, and with a working weight to match, the HD+ series rollers compact quickly and to a very high quality.

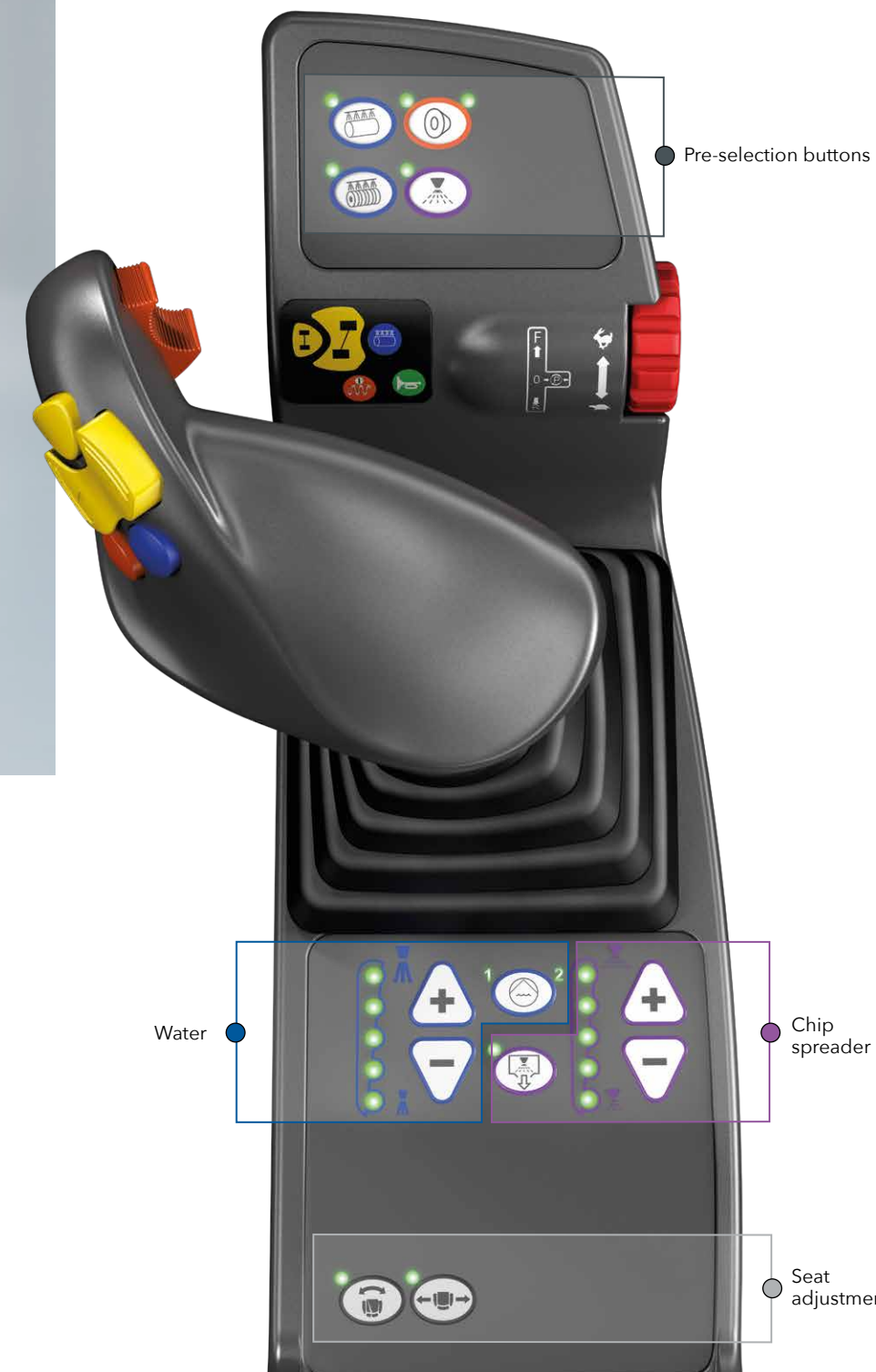
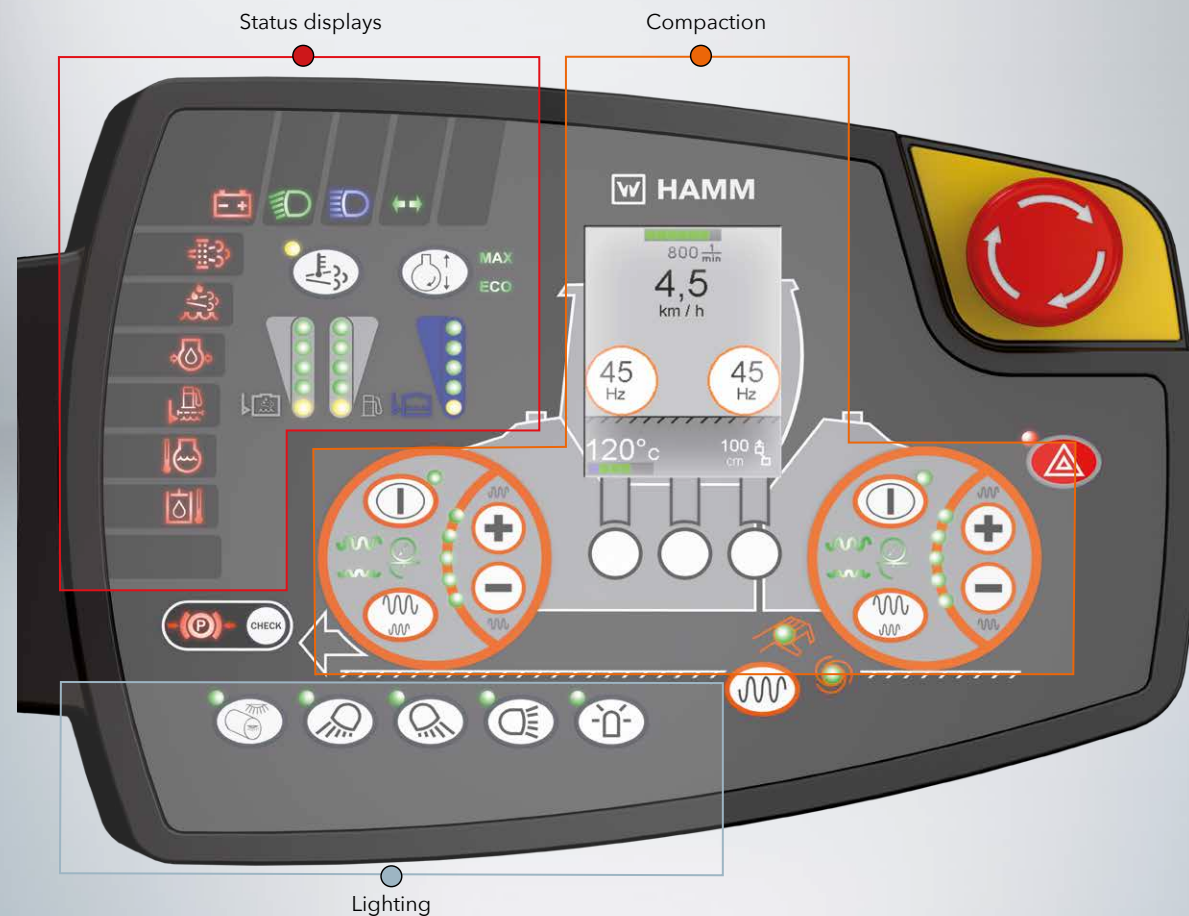
- 11 >> AUTOMATIC ENGINE-OFF FUNCTION**  
Option. Automatic engine cut-off after an extended period of inactivity. Saves fuel and hence operating costs.
- 12 >> WIDE RANGE OF DRUMS**  
Available with two vibrating drums (VV), with vibrating and oscillation drums (VO) or as a combi roller (VT). On some models, the vibration drums are also available split (-S).
- 13 >> EDGE PRESSING AND CUTTING EQUIPMENT**  
Option. Enables precise edge finishing. Clearly visible position. Pressing rolls and cutting wheels available in many diameters and angles. Track indicator and water sprinkling system included.
- 14 >> CHIP SPREADERS**  
Option. Disc and precision spreaders may be attached to many models. Easy operation via the joystick on the multifunction armrest.

- 15 >> WATER SPRINKLING SYSTEM**  
One spray bar per drum. Arranged in such a way that the spray bar and drum can be seen by the driver. Simple mounting and removal of spray nozzles and spray bars. Triple water filtration. Five sprinkling stages with speed control.
- 16 >> WATER TANKS**  
Two large tanks. Even filling and weight distribution thanks to interconnecting pipework.
- 17 >> HCQ MODULES**  
Option. HAMM Compaction Meter (HCM) for the evaluation of rigidity when compacting asphalt. HAMM Temperature Meter (HTM) for the measurement and display of asphalt surface temperature.
- 18 >> HCQ NAVIGATOR**  
Option. HCQ Navigator for comprehensive compaction control and documentation as well as exceptionally uniform compaction.
- 19 >> HYBRID POWER TRAIN**  
Model HD+ 90i PH with hybrid power train. Combines a hydraulic accumulator with a diesel engine for approx. 20% fuel savings.
- 20 >> BELT BUCKLE MONITORING**  
Option. Acoustic and visual alert on the display if the safety belt is not being worn or is not locked.

# HD+



# Easy Drive: Follow your intuition



Easy Drive combines intuitive operation with clear user guidance and optimum ergonomics.



## Logical, simple and user-friendly

HAMM has developed the innovative "Easy Drive" operating concept for the current machine generation. Every model in the HD+ series starting at a 9 t working weight has an Easy Drive operator's platform. This advanced operating concept stands out for its simple, quickly grasped operation and ergonomically optimised features.

The Easy Drive rollers are steered using a steering wheel. For the drive control, the driver uses the joystick. The important buttons are positioned there so as to be visible to the driver at all times. All other operating elements are arranged according to the following rule: the more frequently they are used, the closer their position to the joystick.

Order prevails on the multifunction armrest as well: the functions are pre-selected at the top and adjusted at the bottom. The status displays are grouped on the dashboard next to the steering wheel, likewise the infrequently used buttons. All displays and buttons are colour-coded. Here, the principle is the same as with other HAMM rollers: same colour – same function group.

## Ready to go - by day or night

See and be seen – important criteria for quality and safety when working at night. That is the reason why the HD+ comes fitted with numerous halogen lights as part of the standard specification (LED lighting optional). They illuminate an extensive area around the roller, thus enabling work to be carried out just as accurately and safely after dark and in tunnels as it is in daylight. On request, additional LED drum edge lighting provides optimal illumination of critical areas.





# Service & maintenance: simply easy.

Easily accessible,  
few operations

The HD+ enables fast and easy  
maintenance – the best recipe for  
ensuring that it is done regularly!



Wide-opening door.

Easily accessible  
filters and dipsticks.

Fold-up steps on the  
drums for easy filling.

Easily replaceable  
scrapers.

## Efficient service

To ensure fast and thorough servicing, HAMM uses the WIRTGEN GROUP's service diagnostic tool WIDIAG. The interface for this system is easily accessible in the multifunction armrest. For customers who also want to exploit the benefits of remote diagnostics as part of an efficient fleet management system, the HD+ can be equipped with the WITOS FleetView telematics system.

## Maintenance quickly completed

With long maintenance intervals and few maintenance items, HAMM makes life easier for workshop technicians. For example, all items requiring routine maintenance are grouped together on the same side of the machine. Here, a large, wide-opening door to the engine compartment provides optimum access to the filters and dipsticks.

## Modern engine technology

The HD+ series rollers come equipped with state-of-the-art engine technology. They are thus ready to meet the requirements of the future while fulfilling the applicable legal requirements with an environment-friendly exhaust after-treatment system.

On request, the HD+ can also be equipped with an electronic battery isolation switch. It protects against total battery discharge and also provides improved theft protection.



# No compromises

Maximum compaction quality at all times – even where space is tight



Elevated drum suspension for maximum side clearance.

An unaccustomed feature on articulated rollers: large track offset for precise edge finishing.

In the HD+ series, HAMM offers a variety of different models. They differ in drum width, operating weight, compaction type (vibration or oscillation drum or rubber wheels) and engine output. In addition, there are many options with which each machine can be precisely tailored to meet local or technical requirements. But they all have one thing in common: thanks to their outstanding driving and handling characteristics, they deliver top-class compaction even on cramped sites in urban areas because their small turning circle makes compacting child's play even in tight curves.



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