Top-class compaction
SERIES HD+
Excellent visibility

The basis for top-class work

A large operator’s platform and the large, fully glazed panoramic cabin with ROPS provide 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.
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 moved sideways to the edge as standard; the height and suspension are adjustable. There is also an option for the right armrest to be swivelled horizontally.

In addition, there are a wealth of agreeable little 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.

The comfortable workspace in the large panoramic cabin of the HD+ provides the perfect conditions for concentrated working.
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, antifreeze injection and a triple water filtration system ensure maximum availability.

The position and mounting of the spray bar ensures 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.

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. Flat 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 extra: 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. Independent frequency adjustment forms part of the standard specification on most model versions.

A little extra quality

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

Large drums for large area coverage capability

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. In 2010, it received the IF design award in gold, the red dot design award, the American “Good Design Award” and the French “Observeur du design”.
Overview of the technical features

- **SAFE DRIVE**
  - Safe, intuitive operation thanks to clear operating elements marked in a language-neutral manner and an ergonomically optimised workspace.
- **LARGE WATER TANKS**
  - Even weight distribution on account of two large water tanks with interconnecting pipework.
- **HIGH COMPACTION POWER**
  - With large drum diameters and widths, and with a working weight to match, the HD+ compacts quickly and to very high quality.
- **VISIBILITY**
  - Safety and high compaction quality thanks to the outstanding overview of the machine and surrounding construction site from any sitting position.
- **3-POINT ARTICULATION**
  - The special kinematics ensure even weight distribution, first-rate directional stability and outstanding driving stability.
- **STEERING**
  - 3-point articulation. Large track offset.
- **DRIVE CONTROL**
  - Safe drive control with joystick and steering wheel. Pre-selection of maximum speed as standard. Soft ramps for gentle braking and acceleration.
- **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 roller drum. Significant reduction in fuel consumption, exhaust and noise emissions.
- **ENGINE**
  - Future-proof, water-cooled engines with exhaust post-treatment according to model. Comply with the requirements of EU Stage IIIA / EPA Tier 3 or EU Stage IV / EPA Tier 4, depending on the model version. Low-noise, environment-friendly operation.
- **EASY DRIVE OPERATING CONCEPT**
  - 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, with folding function (option).
- **CHIP SPREADERS**
  - Option. Disc and precision spreaders may be attached to many models. Easy operation via the joystick on the multifunction armrest.
- **WATER SPRINKLING SYSTEM**
  - One spray bar per roller 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 filtering. Five sprinkling stages with speed control.
- **WATER TANKS**
  - Two large tanks. Even filling and weight distribution thanks to interconnecting pipework.
- **HCQ MODULES**
  - Option. HAMM Compaction Meter (HCM) for evaluation of load-bearing capacity during asphalt compaction. HAMM Temperature Meter (HTM) for the measurement and display of asphalt surface temperature.
- **HCQ NAVIGATOR**
  - Option. HCQ Navigator for comprehensive compaction control and documentation as well as exceptionally uniform compaction.
- **ECO MODE**
  - Operation in ECO mode reduces engine speed, noise emissions and fuel consumption.
- **AUTOMATIC ENGINE-OFF FUNCTION**
  - Option. Automatic engine cut-off after an extended period of inactivity. Saves fuel and hence operating costs.
- **WIDE RANGE OF DRUMS**
  - Available with two vibration drums (VV), with vibration and oscillation (VO) or as a combination roller (VT) with thermal aprons (option). On some models, the vibration drums are also available split (-S).
- **EDGE PRESSING AND CUTTING EQUIPMENT**
  - Option. Enables precise edge finishing. Clearly visible position. Pressing rolls and cutting wheels available in many diameters and angles. Separate water sprinkling system included.
Easy Drive combines intuitive operation with clear user guidance and optimum ergonomics.

Logical, simple and user-friendly

HAMM has developed an innovative operating concept for the current machine generation in the form of "Easy Drive". It stands out for its simple, quickly grasped operation and ergonomically optimised features in the cabin. The new operating concept is being incorporated in all HD+ series models with operating weights of 9 t and more whose engines meet at least the requirements of Stage IIIb / Tier 4.

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: at the top is the function pre-selection, at the bottom the adjustment of the functions. 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 for 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 cabin of 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 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

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 want to exploit the benefits of remote diagnostics with many options for efficient fleet management, the HD+ can be equipped with the WITOS SmartService telematics system.

Maintenance quickly completed
With long maintenance intervals and few maintenance points, 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 (with DOC, DOC-DPF, DOC + SCR or DOC-DPF + SCR according to model). They are thus ready to meet the requirements of the future. They are also exemplary when it comes to emissions: the environment-friendly engine technology fulfils the requirements of the exhaust emission standards for the EU and EPA areas, depending on model and engine output.
No compromises

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

HAMM offers well over 50 models in the HD+ series. 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.