



**HAMM**

# Precise and productive **SERIES DV+**







# Unrivalled field of vision

Work safely and with confidence

Fully glazed panoramic cabin

The cabin doors are split so that a large window can be opened through 180° on both sides.



The DV+ series operator's platform offers roller drivers a perfect view of the entire working environment, including the drums, from the fully glazed panoramic cabin and the wide viewing panes in the floor. From the side of the cabin, they also have an excellent view of the drum edges and the edge pressing and cutting equipment.





The well-appointed workspace in the panoramic cabin of the DV+ provides the perfect conditions for concentrated work.

## Clear field of vision in all directions

### Comfortable workspace

Drivers get to their daily workspace the cabin of a DV+ roller via a wide stepway with broad footplates. The steering column can be tipped forward using a pedal. This little detail makes getting in and out very easy.

The swivelling seat-operating unit also provides a great deal of convenience: height and springiness are freely adjustable, as are the height and tilt of the right armrest. As an option, it can be folded to the back. On request, the seat can be supplied with a high backrest, a backrest extension and fabric covers.

In addition, there are many agreeable details to discover, for example the 12 V sockets for charging mobile phones or tablet PCs, storage space, coat hooks, drinks holders and many fresh air nozzles.

Intelligently arranged nozzles supply fresh air to the cabin at all times and ensure clear windows.

The most important functions are operated via the ergonomically shaped joystick.

Large viewing panes for a good view of the drums.

On request, the driver's seat can be electrically operated, allowing it to be moved and swivelled by up to 350°.





The water volume can be finely adjusted in five stages directly from the driver's seat. It is automatically regulated as a function of the speed.

### Powerful water system

The spray bars with nozzles are arranged externally on the cross member. During compaction, this means that water spray keeps the drum safely and reliably moistened. The position is also advantageous for maintenance because the convenient access allows easy mounting and removal of the spray bars containing up to six nozzles.

The sprinkling system works with two pumps to ensure that water is always supplied to the drums, even if one pump should fail. A further pump is provided for sprinkling the edge pressing and cutting equipment. It is activated independently of the drum water sprinkling system – this solution reduces water consumption.

To enable the DV+ to work as productively as possible, it is fitted with large front and rear water tanks. A connecting pipe between the tanks ensures even filling and weight distribution. In addition, the highly efficient triple water filtration and central pressurised filling system as standard ensure maximum availability.



**Single-axle steering:**  
Only the front or rear axle turns.



**Analogue steering:**  
Both drums turn simultaneously in opposing directions, resulting in a very small turning circle.



**Diagonal steering:**  
Both drums turn simultaneously in the same direction, resulting in fast lateral track offset.

The precise steering and well-thought-out water system of the DV+ enable high-quality surfaces to be produced.



The large track offset makes it possible to almost double the working width in relation to the drum width.

## Precision down to the last detail

### Top quality - even where space is tight

In tight curves and anywhere else where precision is paramount, the DV+ series tandem rollers are the perfect choice – for example, when compacting around curves, alongside kerbs, when rerolling or finishing up after edge pressing. Such precise work is possible because the DV+ has pivot steering with an extremely large turning angle, very large track offset and four steering modes.

Quality is also assured thanks to the split drums: the two halves of the drum go around corners at different speeds, thus guarding against the formation of cracking and bulging in the asphalt.

All vibration drums are split as standard in the DV+ series rollers. There are also models with a split oscillation drum.

Another highlight of the DV+ is the auto-reverse on all rollers with electrically adjustable seat-operating unit: it brakes and accelerates the rollers quickly, yet gently. The seat also turns automatically in the direction of travel when reversing. This is unique in the market. It produces first-class surfaces and ensures comfortable, ergonomic operation with top safety.





# Ready for any task

Various configurations for all regions and applications

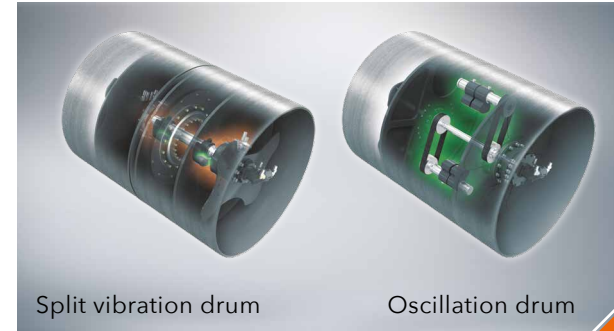
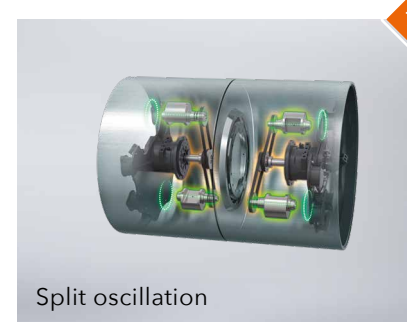
The extensive range of options allows each customer to tailor "their" DV+ precisely to their own requirements. A number of chip spreaders or different pressing rolls for the edge pressing and cutting equipment can be added, for example. The cabin can be fitted with a radio or air conditioning. And for all those who often work at night, the very bright working lights with LED lamps or the lighting for drums and drum edges are very interesting extras.



Outstanding product design:  
in 2015, HAMM received iF design awards  
for both the Easy Drive operating concept  
and the DV+ series.



# The technical highlights at a glance

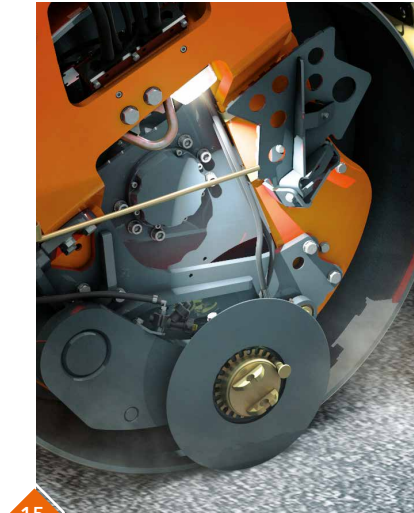
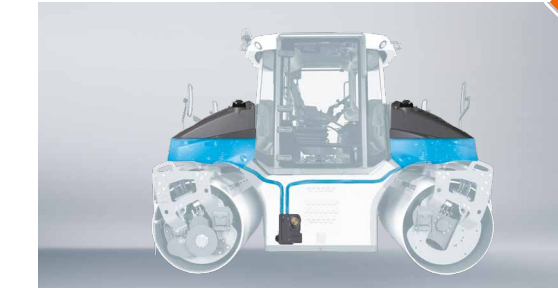


## EASY DRIVE

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

## VISIBILITY

Safety and high compaction quality thanks to the outstanding overview of the machine and its surroundings – from any sitting position.



- 1 **CABIN/OPERATOR'S PLATFORM**  
Operator's platform with ROPS or ROPS cabin. Split door with wide-opening windows (upper: 180° / lower: 85°). Generous headroom. Two drinks holders, storage space and coat hooks as standard. Two sockets (12 V) for mobile phones, etc.

- 2 **AIR CONDITIONING AND VENTILATION**  
Air outlets for agreeable temperature control and supply of fresh air. Ventilation slots for fast de-icing. Air conditioning (option).

- 3 **EASY DRIVE OPERATING CONCEPT**  
Ergonomically optimised operator's platform with mechanical (standard) or electric (option) control of the seat movement and rotation; wide range of adjustment possibilities. Right armrest height-adjustable (standard), also available as folding armrest (option). Steering column can be tipped forward to get in and out easily. Language-neutral design. Multifunction armrest with joystick for intuitive control of the most important functions. Easy attribution through colour coding.

- 4 **LIGHTING**  
Bright working lights on the cabin. Halogen as standard; long-lasting, very bright LED technology also available as an option. Optional lighting for drums and drum edges. Optional coming home function.

- 5 **DRIVE CONTROL**  
Easy-to-operate drive control with joystick and steering wheel. Pre-selection of maximum speed as standard. Automatic system for gentle braking and acceleration. High top speed (max. 11 km/h).

- 6 **STEERING**  
Extremely precise pivot steering. Large turning angle. Speed-dependent resistance for steering and steering stop. Four steering modes: single-axle steering (front or rear axle), analogue steering and diagonal steering. Large, freely adjustable track offset.

- 7 **WIDE RANGE OF DRUMS**  
Available with split vibration drums (VV-S), with split vibration drum and non-split oscillation drum (VO-S), with split vibration drum and split oscillation drum (VS-OS) or as a combi roller (VT-S).

- 8 **ENGINE**  
Future-proof, water-cooled engines with advanced exhaust post-treatment in line with the applicable regulations. Low-noise, environment-friendly operation.

## WATER SYSTEM

Even weight distribution on account of two large water tanks with interconnecting pipework. Fast, safe replenishment via central pressurised filling system.

## LONG WORKING INTERVALS

Highest productivity thanks to generously dimensioned fuel and water tanks.

## STEERING

Precise steering in all situations thanks to pivot steering with large turning angles, large track offset and four steering modes.

- 9 **HAMMTRONIC**  
Electronic machine management system fitted as standard for monitoring of all engine and vehicle functions. Automatic adjustment of traction, vibration/oscillation and engine speed to the prevailing operating conditions. Anti-slip control with split drum. Significant reduction in fuel consumption, exhaust and noise emissions.

- 10 **ECO-MODE**  
Operation in ECO mode reduces engine speed, noise emissions and fuel consumption.

- 11 **AUTOMATIC ENGINE-OFF FUNCTION**  
Option. Automatic engine cut-off after an extended period of inactivity. Saves fuel and hence operating costs.

- 12 **WATER FILLING**  
Central pressurised filling with at least 1 bar, resulting in short topping-up stops. Filler neck in engine compartment. Option to connect to hydrants. Lockable water tank lid (option). Top filling also possible.

- 13 **WATER TANKS**  
Two large tanks. Even filling and weight distribution thanks to interconnecting pipework. Water tap fitted as standard for drawing off water. Additional central drain for easy tank emptying.

- 14 **WATER SPRINKLING SYSTEM**  
One spray bar per drum. Arrangement in front of cross member for clear view of the drum. Simple mounting and removal of nozzles and sprinkle bars. Triple water filtration. Five sprinkling stages with speed control. Separate sprinkling possible for the edge pressing and cutting equipment.

- 15 **EDGE PRESSING AND CUTTING EQUIPMENT**  
Option. Enables precise edge finishing. Clearly visible position. Available in many diameters and angles. Separate water sprinkling system.

- 16 **CHIP SPREADERS**  
Option: disc and precision spreaders. Rapid mounting/dismounting; attachable via adapter plate. Easy operation via joystick on the armrest. Optional lifting device.

- 17 **HCQ NAVIGATOR**  
Option. HCQ Navigator for comprehensive compaction control and documentation. Roof hatch for easy mounting of the HCQ satellite receiver fitted as standard.

- 18 **TELEMATICS INTERFACE**  
Option. Standardised interface for the transmission of machine and process data.

DV+





# Easy Drive: Easy to operate

Brilliantly user-friendly

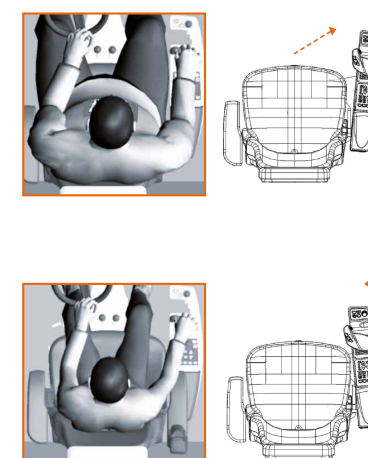
For decades, HAMM rollers have won drivers over with their convenient and logical operation – and the same is true for the Easy Drive operating concept. The roller is controlled with a steering wheel. Drivers will find the most important switches on the joystick – and they are all clearly visible.

The more frequently an element is used, the closer the position of the button or switch to the joystick. A sensible arrangement of operating elements on the multifunction armrest makes for great clarity: at the top are the pre-selection buttons, at the bottom are the buttons for adjustment of the functions. The dashboard next to the steering wheel accommodates status and parameter displays as well as less frequently used buttons.

All displays and switches are gathered in functional groups and colour-coded. This simplifies operation because the same principle applies here as with all other HAMM rollers: same colour – same function group.



Easy Drive stands for intuitive operation through clear user guidance and an ergonomically optimised sitting position for every driver.



This is perfectly complemented by a sophisticated interior design. It was developed by HAMM in the course of an extensive research project in collaboration with universities, ergonomics specialists and roller operators from different countries. The results speak for themselves: the seat-operating unit can be adjusted to perfection, enabling drivers of different heights and builds to find an ergonomic sitting position.





# Impressive service concept

User-friendly, simple and fast

Workshop engineers love the DV+: with long maintenance intervals and easily accessible maintenance items, it is extremely user-friendly.



Water tap for cleaning

Connection for pressurised filling

Central drain for easy emptying of water tanks

## Easy service

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

## Low maintenance

Long maintenance intervals and few maintenance items – good indicators of mature technology. During routine service and maintenance, the DV+ series rollers stand out for their ease of access to vital points, a wide-opening engine cover and central grease points (option) for easy lubrication of the two swing bearings.

## Environment-friendly engines

State-of-the-art 4-cylinder diesel engines are used in the DV+ series rollers to power all drive units. In all models, the exhaust after-treatment complies with the applicable regional regulations.





# Perfect for sharp curves

Mastering challenging tasks to perfection

With their split vibration and oscillation drums, even weight distribution and versatile pivot steering, the DV+ series rollers achieve high-quality compaction, even in sharp curves. At the same time, drivers enjoy an exceptionally good view of the drum surfaces and edges. That is the reason why the DV+ series is the first choice for construction sites where space is limited or when compacting curvy roads and roundabouts.





HAMM AG  
Hammstraße 1  
D-95643 Tirschenreuth  
Tel +49 9631/ 80-0  
Fax +49 9631/ 80-111  
[www.hamm.eu](http://www.hamm.eu)



**HAMM**