



HD+ ... the tandem rollers with a plus

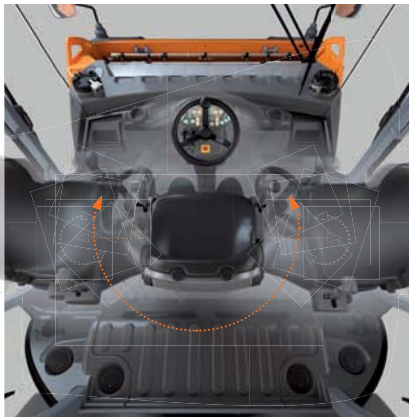
High driving comfort

Discover a new sense of space in the operator's cabin of a HD+. Never before has a tandem roller offered such a spacious cabin.

Never before has there been such good visibility. And never has there been as much freedom to move.



Unrestricted view of the edges of the drum from the operator's platform.



The driver's seat is adjustable and can be rotated 90° in either direction.



Also available as a ROPS version without the cabin.

An easy-to-use adjustment mechanism allows the seat and console to be shifted laterally to the outer edge of the operator's platform or to be effortlessly rotated 90° in either direction. From the edge of the cabin, the driver has a perfect view of the edges of the drum and the machine's surroundings.

The comfortable working position is enhanced by a versatile array of storage options. Important documents can even be locked away. There is also a place for storing your cool box.

- + perfect visibility
- + optimal ergonomics
- + efficient compaction
- + first-class manoeuvrability

Ergonomic

The driver's seat is highly ergonomic offering a generous range of settings for individual comfort. The console with steering wheel and control panel is affixed to the driver's seat.



Both the console and steering wheel are freely adjustable. Every driver can find the optimal working position, allowing him to concentrate on the task at hand even when working for long periods.

Experience ...

... a new generation of rollers

The glazed cabin is designed to provide the driver with a completely unhindered view of the work site. He can see his work area, the drum and its edges permanently. The excellent visibility not only makes work a lot easier, it also contributes to the high safety levels of the roller.

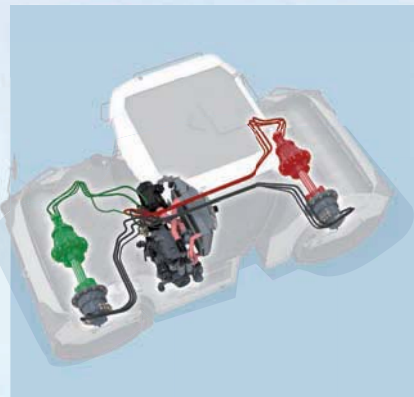




The HD+ tandem rollers offer many practical advantages and are impressive in operation. Compact construction and the new three-point articulated joint significantly ease handling of the roller.



Trouble-free edge pressing thanks to a crab steering mode of up to 170 mm.



The frequency and amplitude of the front and rear roller drum can be set separately.

High quality compaction

The three-point articulated joint with its kinematic design is positioned close to the centre of the machine, ensuring outstanding load and weight distribution of the roller and a perceptible increase in driving stability. This is particularly apparent when undertaking compacting operations on curved sections or roundabouts. Thanks to uniform weight distribution, perfectly level surfaces can be created in no time. Even the heaviest machines in the HD+ series with 14-tons are able to manoeuvre efficiently in the tightest of spaces.



Optimal weight distribution even on narrow turns due to articulated steering.

Easy to handle

The freedom of movement of the new tandem rollers is impressive: the offset in crab steering mode is almost double that of previous models, a perfect prerequisite for clean edge pressing.



Efficiency serially guaranteed by Hammtronic electronic machine management.

Frequency and amplitude can be individually set

Only with HAMM machines: The "rollers with a plus" allow the driver to set the frequency and amplitude of the front and rear roller drum separately. Compaction parameters can be precisely adjusted to match operating requirements on the most varied grades of modern asphalt.



The narrow turning circle promotes a wide spectrum of use and versatile application.

Quality and performance that meet the highest requirements



Compact design guarantees the best visibility possible.

HD +

► The new generation of tandem rollers



1 ► Operating and driving comfort

Comfortable driver's seat, movable laterally and rotatable, with freely-adjustable steering column. Individually-adjustable console with integrated display and intuitive controls. Well-designed and clearly-marked controls for cabin air-conditioning, lighting, etc.

14 ► Split drum

Optionally available with split drum for perfect compaction on curved sections of roadway.



13 ► Roller drum settings

Independent frequency and amplitude vibration drive settings in both roller drums to precisely adjust compaction parameters to meet the requirements of the most varied grades of modern asphalt. Available as an option for oscillation and vibration machines.



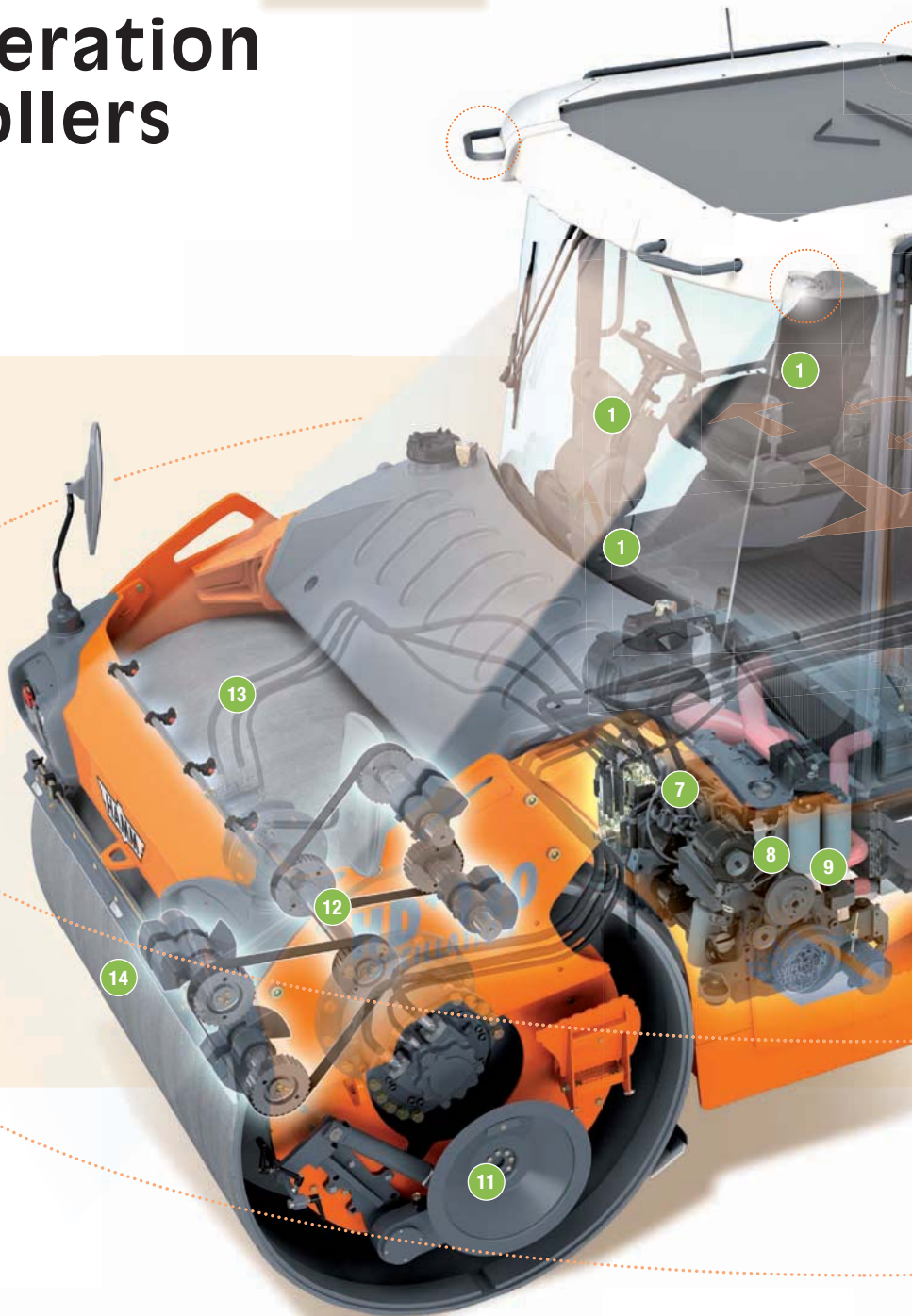
12 ► Oscillation

Dynamic compaction with oscillation for better and faster compaction of roadbeds and roadway surfaces. Significantly less vibration exposure on the machine environment. No grain destruction. No over-compaction.



11 ► KAG

Edge pressing and cutting equipment including track indicator for clean chamfering of the roadway. Can be mounted on the left, on the right, or on both sides of the machine.



2 ▶ ROPS operator platform

Operator platform with perfect all-round visibility. Available with XXL panoramic cabin and integrated roll-over protection, or as an open ROPS version.



3 ▶ Sprinkling

Nozzles and sprinkler bars are always in the driver's field of vision and are easy to replace.

4 ▶ Water tank

A large capacity water tank reduces the number of stops for refills. Clever distribution of water between two tanks ensures uniform weight distribution at all times.

Type	Weight (t)	Engine Power (kW)	Roller drum width (m)
HD+ 90	9.4	100	1,68
HD+ 110	10.5	100	1,68
HD+ 120	12.9	100	1,98
HD+ 140	13.4	100	2,14

5 ▶ Dynamic compaction

Available with vibration and oscillation drums.

6 ▶ Servicing access

Stowable steps for easy access for refueling.

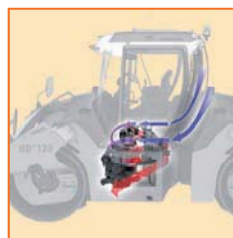
7 ▶ Hammtronic

The Hammtronic electronic machine management system continuously monitors all machine and engine functions. Automatic adjustment of traction drive, vibration / oscillation and engine speed to varying operating conditions. Significantly reduced fuel consumption, exhaust gas and noise emissions.



8 ▶ Air duct

Intelligently designed routing of air flow for efficient engine cooling. No heating up of the operator platform due to waste heat of engine cooling.



10 ▶ Three-point articulated joint

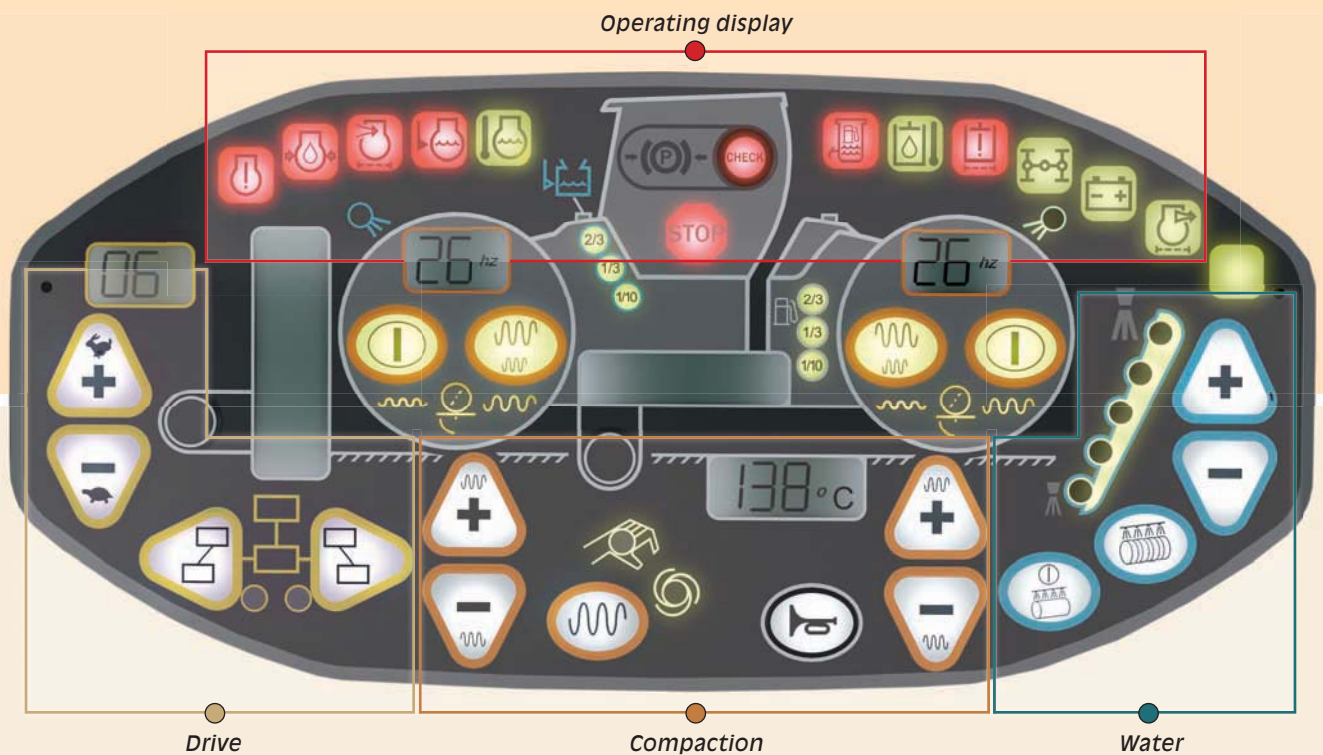
Articulated joint with kinematic design, positioned at the centre of the machine. Ensures uniform weight distribution and outstanding driving stability.

9 ▶ Latest engine technology

The modern, water-cooled DEUTZ 4-cylinder in-line engine with common rail injection system complies with both EU Stage III and US EPA Tier III requirements. Low-noise and environmentally-friendly operation guaranteed.



Intuitive operation



With two joysticks for steering, the driver has the machine under perfect control at all times.



Practical and safe: The control panel is in the driver's field of vision at all times – even when the seat is rotated.

Simple, logical and language-neutral

Intuitive operation has been one of the hallmarks of HAMM for many years. This principle has been taken further with the design of the HD+ series tandem rollers. The operating console is attached to the driver's seat and therefore stays in the driver's view at all times.

The most important display and operating elements are positioned on the console. All displays are language-neutral, with clear symbols and logical layout that significantly contribute to intuitive operation. Less important or less frequently-used operating elements are positioned at the front of the cabin or at the cabin ceiling.



Simple and safe refuelling.

Easy servicing = good servicing



The Hammtronic machine management system keeps diesel consumption low and ensures the efficient operation of the tandem roller.



Easy access for rapid servicing: the service and maintenance points are concentrated on the right-hand side of the engine.

Ergonomics and efficiency – even during day-to-day maintenance

Servicing and maintenance work is made quick and simple. The engine is easily accessible and almost all service points are located on one side of the roller.

The tanks can be reached effortlessly by using the steps built into the machine frame. From an ergonomically located position, the driver can open the frame and refill the tank quickly and with minimum effort.

Additional design features such as simple draining of the watertanks and anti-freeze injection facilitate regular machine maintenance and servicing. These factors provide the tandem rollers with high levels of operational availability and productivity.





Multiple design awards

The HD+ series tandem rollers are outstanding – in every sense of the word! They are the current holders of the “Design Oscar 2010”, the internationally acknowledged “iF Design Award” in gold and the “reddot design award 2010”. These awards are bestowed exclusively on products which, due to their ergonomics, raise the levels of longevity and functionality – aspects which that users of HAMM rollers have been appreciating for years. In addition, the HD+ series has been nominated for the “bauma Innovation Award 2010”.

See and be seen

... for construction machinery utilised on night-time operations, visibility is vital for quality and safety. The HD+ series not only provides tandem roller drivers with all-round overview but also, thanks to exceptionally bright safety lighting, makes sure they are seen by others. HAMM has found the perfect lighting solution for the work site and the area surrounding the edge of the roller drum, with the intelligent application of 12 halogen lamps to the machine cabin and drums. Precision compaction during night-time operation or in tunnels is no longer a problem.



Drum edges are illuminated and permanently in view.



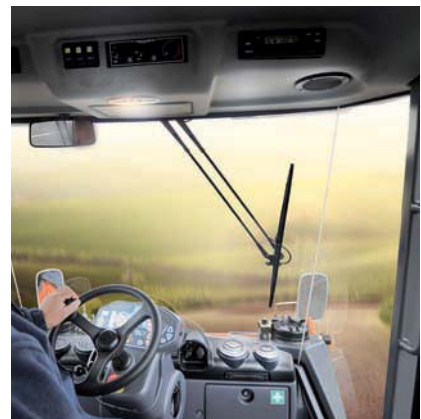
Large rear-facing mirrors for all-round visibility from the XXL panoramic cabin.

Perfect overview

Better quality – more safety

Compaction quality – the water factor

The continuous sprinkling with water is essential for quality compaction. The "rollers with the plus factor" are equipped with powerful pumps able to supply the nozzles with the required amount of water – precisely and reliably. The panoramic cabin allows the driver to keep the sprinkler bars permanently in sight and control the quantity of water and its distribution at all times. Water quantity can be conveniently set from the operator platform.



The machine operator has an unrestrained view of the work site.



The panoramic cabin and the open upper-frame design allow the sprinkling mechanism to be kept in sight at all times.



HAMM AG
Hammstrasse 1
D-95643 Tirschenreuth
Tel +49 9631/ 80-0
Fax +49 9631/ 80-111
www.hamm.eu