

HAMM

PRODUCT RANGE



A FACTORY FULL OF INNOVATIONS

Where the heart of compaction beats

In the heart of Europe, surrounded by a wonderful region full of ponds in the north of Bavaria, lies Tirschenreuth. This is where, in 1878, Franz and Anton HAMM founded "Maschinenfabrik Gebr. HAMM". Since the beginning of the 20th century, our company has concentrated on the manufacture of rollers for road construction. From that time on, HAMM has been the driving force and a trend-setter in the industry. Many technologies and solutions that have become the standard in compaction technology have been developed by HAMM. Today, HAMM is the world market leader in the road roller segment.

At the parent plant in Tirschenreuth, a team of highly motivated engineers and technicians work to develop the rollers for global markets. The extensive range of machines encompasses various tandem rollers, a wide choice of compactors as well as pneumatic-tyre rollers. Modern solutions for optimising and digitalising the compaction processes round off the product range. These allow HAMM to offer practical, tailor-made solutions for every compaction task in road construction and earthworks.

In addition to the rollers, HAMM also manufactures the drums in Tirschenreuth. State-of-the-art production processes allow every machine to be finished individually to customer specification. HAMM AG's main plant is also certified in accordance with ISO 14001, meaning that HAMM is constantly striving to reduce emissions and the use of resources in the production of rollers.

AWARD-WINNING AND FUTURE-ORIENTED

Shaping the future



HAMM rollers are easy to operate and ergonomically optimised, because, since the 1980s, HAMM has considered design to be a crucial element in product development. As a result, HAMM has, to date, won more than 40 international design and innovation awards, making it the front-runner in the construction industry.

HAMM also takes sustainability very seriously. On the construction site, the rollers are impressive thanks to their low fuel consumption. Furthermore, almost all current models can not only be operated with diesel, but also with non-fossil fuels, such as HVO. In addition, HAMM constantly strives to reduce emissions and the use of resources during production of rollers in the factories.

HAMM PRODUCT RANGE

Page

- **06 ARTICULATED TANDEM ROLLERS**
 - > HD CL series
 - > HD CLe series
 - > HD+ series
- **12 PIVOT-STEERED TANDEM ROLLERS**
 - > HX series
- **14 COMPACTORS**
 - > HC CL series
 - > HC series
- **20 PNEUMATIC-TYRE ROLLERS**
 - > HP series

THE AGILE ALL-ROUNDERS

The wasp-waist rollers



Easy transport

central suspension point, numerous tie-down points

Convenient water system

3x filtering, simple emptying

Large drums

counteract crack and bulge formation

The articulated compact rollers in the HD CompactLine series are all-rounders for asphalt construction, earthworks and landscape gardening. Their operation is extremely easy and requires no special language skills. The wasp-waist design provides optimal visibility, and the 3-point articulation ensures outstanding driving and handling characteristics.

With a total of 44 vibration, oscillation and combination rollers, and drum widths from 0.80 to 1.38 m, the HD CompactLine covers the entire spectrum of compact rollers. There are also countless options, such as chip spreaders, a cabin and different lighting versions.

HD COMPACTLINE SERIES (HD 8-HD 14(i))

Basic data					Drums/variants		
Machine model	Weight class (t)	Drum width (mm)	Engine output (kW)	Max. working width (mm)	VV	VO	VT
Machines in accordance with exhaust emission standard EU Stage V / EPA Tier 4							
HD 8	1.5	800	16.1	856	•		
HD 9	1.5	900	16.1	1000	•		•
HD 10C	1.5	1,000	16.1	1,064	•		•
Machines in accordance with exhaust emission standard UN ECE R96 (Tier 3)							
HD 10	2.0	1,000	22.9	1,050	•	•	•
HD 12	2.5	1,200	22.9	1,250	•	•	•
HD 13	4.0	1,300	34.6	1,350	•	•	•
HD 14	4.5	1,380	34.6	1,430	•	•	•
Machines in accordance with exhaust emission standard EU Stage V / EPA Tier 4							
HD 10	2.0	1,000	18.5	1,050	•	•	•
HD 10i	2.0	1,000	24	1,050	•	•	•
HD 12	2.5	1,200	18.5	1,250	•	•	•
HD 12i	2.5	1,200	24	1,250	•	•	•
HD 13i	4.0	1,300	37.4	1,350	•	•	•
HD 14i	4.5	1,380	37.4	1,430	•	•	•

HD COMPACTLINE SERIES (HD 18 - HD 50)

Machines in accordance with exhaust emission standard EU Stage V / EPA Tier 4							
HD 18	1.5	800	16.1	872	•		
HD 20	1.5	1,000	16.1	1,070	•		
Machines in accordance with exhaust emission standard UN ECE R96 (Tier 3)							
HD 30	2.5	1,000	24	1,050	•		•
HD 35	2.5	1,200	24	1,250	•		•
HD 50	4.5	1,380	36.5	1,430	•		•

HD COMPACTLINE SERIES (HD 14(i) TT)

Basic data				
Machine model	Weight class (t)	Width over tyres (mm)	Engine output (kW)	Wheel load (t)
Machines in accordance with exhaust emission standard UN ECE R96 (Tier 3)				
HD 14 TT	4.0	1,127 / 1,276	34.6	0.5
Machines in accordance with exhaust emission standard EU Stage V / EPA Tier 4				
HD 14i TT	4.0	1,127 / 1,276	37.4	0.5

VV Vibration, front - Vibration, rear
VO Vibration, front - Oscillation, rear

VT Vibration, front - Set of wheels, rear
TT Set of tyres, front - Set of wheels, rear



BATTERY-POWERED ELECTRIC TANDEM ROLLERS

Quiet and zero-emission compacting



In terms of operation and compaction power, the eight fully electrically driven tandem rollers from HAMM are identical to their sister models with combustion engines. Thanks to the electric drive, they work on construction sites with zero local emissions and with significantly reduced noise emissions.

A 48 V system supplies energy to the travel, steering and vibration or oscillation drives. The steering and travel drive use hydraulic systems, while the vibration or oscillation units

are fully electric. This results in long operating times. All electric components also require no maintenance and offer impressively high drive torque.

A Li-ion battery provides sufficient energy for a typical working day. Furthermore, a large portion of the braking energy is fed back into the system by means of regeneration. Using the CEE fast-charging plugs, the batteries are fully charged in around four hours.

HD COMPACTLINE SERIES (HD 10e - HD 12e)

Basic data						Drums/variants			
Machine type	Weight class (t)	Drum width (mm)	Battery	Battery capacity (kWh)	Max. working width (mm)	VV	VO	VT	OT
Machines that do not release local emissions									
HD 10e	2.5	1,000	48 V Li-Ion	23.4 kWh	1,050	•	•	•	•
HD 12e	2.5	1,200	48 V Li-Ion	23.4 kWh	1,250	•	•	•	•

VV Vibration, front - Vibration, rear VT Vibration, front - Set of wheels, rear
 VO Vibration, front - Oscillation, rear OT Oscillation, front - Set of wheels, rear



CO₂ saving
10 kg per operating hour

Li-ion battery
with 23 kWh capacity

Automatic engine stop
fitted as standard

FIRST-CLASS COMPACTION

Uncompromisingly good



With over 50 models, the articulated tandem rollers in the HD+ series cover the range between 7 and 14 t. The XXL cabin or platform is very spacious and comfortable. From this ergonomically optimised workstation, drivers have an excellent overview of the drums, water-sprinkling system and surrounding area. The HD+ series offers impressive handling and compaction thanks to the 3-point articulation and homogeneous weight distribution.

Whether for straights, slopes, bends or roundabouts: These rollers quickly produce perfectly smooth surfaces. For simple edge finishing, the track offset is particularly large. The rollers are also equipped with large water and diesel tanks for long working days without the need to stop and refill.

HD+ SERIES

Basic data					Drums/variants							
Machine model	Weight class (t)	Drum width (mm)	Engine power (kW)	Working width max. (mm)	VV	VV-S	VO	V-VIO	VO-S	VT	VT-S	OT
Machines in accordance with exhaust emission standard UN ECE R96 (Tier 3)												
HD+ 70	7	1,500	55.4	1,635	•		•			•		
HD+ 80	8	1,680	55.4	1,815	•		•			•		
HD+ 90	9	1,680	100	1,850	•		•			•		
HD+ 110	11	1,680	100	1,850	•		•			•		
HD+ 120	12	1,980	100	2,150	•		•					
HD+ 140	14	2,140	100	2,310	•		•					
Machines in accordance with exhaust emission standard EU Stage V / EPA Tier 4												
HD+ 70i	7	1,500	55.4	1,635	•		•			•		
HD+ 80i	8	1,680	55.4	1,815	•	•	•		•	•	•	•
HD+ 90i PH	9	1,680	55.4	1,850	•	•	•		•	•	•	
HD+ 90i	9	1,680	85	1,850	•	•	•		•	•	•	
HD+ 110i	11	1,680	85	1,850	•		•			•		
HD+ 120i	12	1,980	115	2,150	•		•	•				
HD+ 140i	14	2,140	115	2,310	•		•					

VV Vibration, front - Vibration, rear
 VO Vibration, front - Oscillation, rear
 VT Vibration, front - Set of wheels, rear
 OT Oscillation, front - Set of wheels, rear

V-VIO Vibration, front - VIO (vibration or oscillation), rear
 VV-S Split vibration, front - split vibration, rear
 VO-S Split vibration, front - Oscillation, rear

VT-S Split vibration, front - Set of wheels, rear
 PH Power Hybrid



Easy to use
 clear, language-neutral operating elements

Wide drums
 with large diameters

Two large water tanks
 with even weight distribution

THE PREMIUM CLASS FOR ASPHALT COMPACTION

Powerful, precise and productive



In the HX series tandem rollers, the Easy Drive operating concept provides top-class ergonomics and comfort. The fully glazed panoramic cabin or platform offers optimal visibility. Drivers have a good overview of the drum edges, the edge pressing and cutting device and the construction site at all times. Viewing panes in the cabin floor also allow an uninterrupted view of the drums or wheels. The HX series has pivot steering with very large track offset and large turning angles.

This means that it can be steered sensitively in four different steering modes. In combination with the uniform weight distribution and the automatic mechanism for gentle acceleration and braking, they produce asphalt surfaces of impeccable evenness - even in tight curves. There are split vibration and oscillation drums for all weight classes. The Smart Compact digital compaction assistant actively supports the selection of compaction parameters.

HX SERIES

Basic data					Drums/variants				
Machine model	Weight class (t)	Drum width (mm)	Engine output (kW)	Max. working width (mm)	VV	VV-S	VO-S	VS-OS	VT-S
Machines in accordance with exhaust emission standard EU Stage V / EPA Tier 4									
HX 70i	7	1,500	55.4	2,770		•	•	•	•
HX 90i	9	1,680	74.4	3,050	•	•	•	•	•

VV Non-split vibration, front - non-split vibration, rear
VV-S Split vibration, front - split vibration, rear

VO-S Split vibration, front - non-split oscillation, rear
VS-OS Split vibration, front - split oscillation, rear
VT-S Split vibration, front - Set of wheels, rear



Easy Drive
for safe, intuitive operation

High productivity
thanks to large tanks

Convenient water system
central pressure refuelling, quick to fill

COMPACT CLIMBERS

Great compaction force - even for small construction sites



The extremely compact, very short compactors of the HC CompactLine series offer a huge gradeability of up to 60% and maximum ground clearance. They are driven by modern wheel motors. The very short wheelbase and 3-point articulation ensure optimal driving and handling characteristics - ideal for cramped construction sites and for compaction on rough terrain.

The operator's platform or cabin on the HC CompactLine impress with their exceptional visibility and ease of operation. Drivers can very quickly adjust the very spacious, ergonomically optimised workstation to their individual height and weight. This makes the HC CompactLine compactor models perfect for machine rental.

HC CL SERIES

Basic data				Drums/variants		
Machine model	Weightclass (t)	Drum width (mm)	Engine output (kW)	V	VIO	P
Machines in accordance with exhaust emission standard EU Stage V / EPA Tier 4						
HC 50i	5	1,370	55.4	•		•
HC 70i	7	1,680	55.4	•	•	•

V Smooth drum with vibration

VIO Smooth drum, can be switched between vibration and oscillation

P Padfoot drum



High gradeability
with powerful travel drive

Compact shape
ideal for cramped construction sites

3-point articulation
safe manoeuvring off-road

POWERFUL HEAVYWEIGHTS FOR EARTHWORKS

Powerful and comfortable



The HC series compactors are powerful professionals with a big compaction force. The 3-point articulation and large slope angle front and back make them extremely manoeuvrable whilst ensuring optimum driving stability. With interfaces and hardware, the HC series is well prepared for the quality and communication requirements of future construction sites. Furthermore, the Smart Compact compaction assistant also supports the driver when selecting the compaction parameters.

The cabin or operator's platform is ergonomically optimised and the compactors are especially convenient and simple to operate thanks to Easy Drive. They also feature an outstanding view of the drum and the working field. Modern engines, which can also be operated with HVO fuels, ensure low emissions. The wide-opening engine hood makes it easier to access the points requiring daily maintenance.

HC SERIES (HC 110(i) - HC 250 (i))

Basic data				Drums/variants					
Machine model	Weight class (t)	Drum width (mm)	Engine output (kW)	V	VIO	P	VA	VC	R
Machines in accordance with exhaust emission standard UN ECE R96 (Tier3)									
HC 110	11	2,140	101	•		•			
HC 110 C	11	2,140	101	•		•			
HC 130	13	2,140	101	•	•	•			
HC 180	18	2,140	150	•		•			
HC 200	20	2,140	150	•		•			
HC 200 C	20	2,140	150	•		•			
HC 250 C	25	2,140	150	•		•			•
Machines in accordance with exhaust emission standard EU Stage V / EPA Tier 4									
HC 100i	10	2,140	85	•		•			
HC 100i C	10	2,140	85	•		•			
HC 110i	11	2,140	85	•		•			
HC 110i C	11	2,140	85	•		•			
HC 120i	12	2,140	85	•		•			
HC 120i C	12	2,140	85	•		•			
HC 130i	13	2,140	119.6	•	•	•			
HC 130i C	13	2,140	119.6	•	•	•			
HC 140i	14	2,140	119.6	•		•			
HC 160i	16	2,140	119.6	•		•			
HC 160i C	16	2,140	119.6	•		•			
HC 180i	18	2,140	160	•		•			
HC 200i	20	2,140	160	•		•			
HC 200i C	20	2,140	160	•		•	•		
HC 250i C	25	2,140	160	•		•	•	•	•

V Smooth drum with vibration
 VIO Smooth drum, can be switched between vibration and oscillation

VA Smooth drum with variable amplitude
 P Padfoot drum
 C "Climbing": Equipment for increased gradeability

VC Vibration crusher drum with VC tool-changing system
 R "Rock": Equipment with particularly wearresistant drum



Easy Drive
for safe, intuitive operation

High gradeability
with powerful travel drive

Large linear load
up to 80 kg/cm, depending on the model

ROBUST ENGINEERING FOR ALL MARKETS

Flexible use in earthworks



The models of the HC series listed here, with exhaust gas emissions up to and including UN ECE R96 or Tier 3 offer a spacious operator's platform and a pleasant workstation. Thanks to the intelligent design, the visibility is outstanding. The compactors are extremely easy to operate and their operation does not require any special language skills.

During use, the compactors stand out thanks to their high compaction power, small turning circle and low noise emissions. A modern power train enables a gradeability of up to 58%. Fuel consumption remains low thanks to the ECO mode that is integrated as standard.

HC SERIES (HC 119 - HC 129)

Basic data				Drums/variants	
Machine model	Weight class (t)	Drum width (mm)	Engine power (kW)	V	P
HC 119	11	2,140	81	•	
HC 129	12	2,140	81	•	

HC SERIES (HC 110 - HC 130) G-TIER

Machines in accordance with emissions regulation UN ECE R96 (Tier 3)

HC 110	11	2,140	101	•	•
HC 130	12	2,140	101	•	•

HC SERIES (HC 208 - HC 268)

Machines in accordance with exhaust emission standard UN ECE R96 (Tier 3)

HC 208 D	20	2,140	154	•	•
HC 228 D	22	2,140	154	•	•
HC 268 D	26	2,140	154	•	•

V Smooth drum with vibration

D Smooth drum with drum drive

P Padfoot drum



3-point articulation
safe manoeuvring off-road

High gradeability
with powerful travel drive

Easy maintenance
all points easily accessible

INNOVATION ON EIGHT WHEELS

The flexible powerhouses



The HP series of pneumatic-tyre rollers offers impressive performance in earthworks and asphalt construction. All models offer a spacious and comfortable operator's platform. An asymmetric frame and the intelligent machine design provide for excellent visibility. Another feature is the language-neutral operation. This makes the drivers' work easier and contributes towards safety.

The intelligent ballasting concept means that the machine weight can also be changed on the construction site. The versatile water-sprinkling system with its innovative additive supply and the modern travel drive offers excellent quality and productivity. With a wide range of options available, the HP series rollers can also be adapted to regional requirements anywhere.

HP SERIES

Basic data						
Machine model	Weight class (t)	Max. working width (mm)	Engine power (kW)	Wheel load (t)	Min. operating weight (kg)	Max. operating weight (kg)
Machines in accordance with exhaust emission standard UN ECE R96 (Tier 3)						
HP 180	8 - 18	2,084	89	1.0 - 2.2	8,505	17,170
HP 240	8 - 18	2,084	89	1.0 - 2.2	8,505	24,000
HP 280	10 - 28	2,084	89	1.3 - 3.5	9,480	26,950
Machines in accordance with exhaust emission standard EU Stage V / EPA Tier 4						
HP 180i	8 - 18	2,084	55.4	1.0 - 2.2	8,515	17,180
HP 280i	10 - 28	2,084	85	1.3 - 3.5	9,505	26,970



Ballasting concept
for fast additional sprinkling

Large operator's platform
with outstanding all-round visibility

Safety
thanks to an extremely powerful brake system

YOUR WIRTGEN GROUP CUSTOMER SUPPORT

Service you can rely on.

Trust our reliable, rapid support for the entire life cycle of your machine. Our wide range of services can provide you with the right solutions for any challenge you may face.



Service

We honour our service promise - with fast, straightforward assistance, whether on the construction site or at our professional workshops. Our service team is made up of highly trained experts. Thanks to our special tools, repair, maintenance and servicing are carried out swiftly. On request, we can draw up a service agreement that is tailored specifically to your needs.
 > www.wirtgen-group.com/service



Spare parts

Using WIRTGEN GROUP original parts and accessories, we make sure your machines are always highly reliable and available. Our experts are also on hand to offer advice on wear part solutions that are optimized for specific applications. Our parts are readily available across the globe and are easy to order.
 > parts.wirtgen-group.com



Training

The WIRTGEN GROUP product brands are specialists in their field and have decades of experience. Our customers, too, can benefit from this expertise. We proudly impart our knowledge to you through our WIRTGEN GROUP training scheme, with courses tailored specifically to operators and service staff.
 > www.wirtgen-group.com/training



Telematics solutions

At the WIRTGEN GROUP, technologically advanced construction machines and sophisticated telematics solutions go hand in hand. With the Operations Center*, the platform for digital process, machine and service optimisation solutions, you can not only simplify maintenance scheduling for your machines, but also increase both productivity and profitability.
 > www.wirtgen-group.com/telematics

* John Deere Operations Center™ (formerly WITOS) is not currently available in all countries. If you want to discuss this, please contact your local subsidiary or your dealer.



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