



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. In 1878, Franz and Anton HAMM founded Maschinenfabrik Gebr. HAMM there. Since the beginning of the 20th century, our company has focused on the manufacture of rollers for road construction. From that time on, HAMM has been the driving force and trendsetter in the industry. Many technologies and solutions that have become the standard in the compaction sector were 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-tire rollers. Modern solutions with which to optimise the compaction process round off the product portfolio. These allow HAMM to offer practical, tailor-made solutions for every compaction task in road building 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.

HAMM factory in Tirschenreuth, Germany

HAMM FACTORY TIRSCHENREUTH

AWARD-WINNING AND FUTURE-ORIENTED

Shaping the future



HAMM rollers are easy to operate and ergonomically optimized, because HAMM has considered design to be a crucial element in product development since the 1980s. As a result, HAMM has, to date, won close to 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. What's more, most 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

TANDEM ROLLERS, ARTICULATED

- > Drum width: 31 - 84 in
- > Working weight: 1.5 - 14 t

TANDEM ROLLERS, PIVOT-STEERED

- > Drum width: 59 - 66 in
- > Working weight: 7 - 9 t

SOIL COMPACTORS

- > Drum width: 54 - 84 in
- > Working weight: 5 - 26 t

PNEUMATIC-TIRE ROLLERS

- > Width over tires: 44 - 72 in
- > Working weight: 4 - 27 t

PRODUCT OVERVIEW



Tandem rollers

37 models
1.5 - 4.5 t
HD 8 - HD 14(i)
LRC / HRC
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HD COMPACTLINE SERIES

8 models 
2.5 t
HD 10e - HD 12e




HD COMPACTLINE SERIES

46 models
7 - 14 t
HD+ 70i - HD+ 140(i)
HRC
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HD+ SERIES

6 models 
9 t
HD+ 90i PH
HRC
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HD+ SERIES

9 models
7 - 9 t
HX 70i - HX 90i
HRC
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HX SERIES

Soil Compactors

5 models
5 - 7 t
HC 50i - HC 70i
LRC / HRC
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HC COMPACTLINE SERIES

44 models
11 - 26 t
HC 110(i) - HC 250(i)
LRC / HRC
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HC SERIES

Pneumatic-tire rollers

34 models
10 - 28 t
HP 180(i) - HP 280(i)
LRC / HRC
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HP SERIES

THE AGILE ALL-ROUNDERS

The wasp-waist rollers



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 calls for 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 37 vibration, oscillation and combination rollers, and drum widths from 31.5 to 54.3 in, the HD CompactLine covers the entire spectrum of compact rollers. There are also countless options, such as chip spreader, a cabin and different lighting versions. The rollers can also be operated with HVO fuels.

HD COMPACTLINE SERIES TANDEM AND COMBINATION ROLLERS

Basic data					Drums / variants		
Machine model	Weight class (t)	Drum width (in)	Engine power (HP)	Max. working width (in)	VV	VO	VT
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard							
HD 8	1.5	31.5	21.6	33.7	•		
HD 9	1.5	35.4	21.6	39.3	•		•
HD 10C	1.5	39.4	21.6	41.9	•		•
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard							
HD 10	2.5	39.4	24.8	41.3	•	•	•
HD 10i	2.5	39.4	34	41.3	•	•	•
HD 12	2.5	47.2	24.8	49.2	•	•	•
HD 12i	2.5	47.2	34	49.2	•	•	•
HD 13i	4.0	51.2	50.1	53.1	•	•	•
HD 14i	4.5	54.3	50.1	56.3	•	•	•

HD COMPACTLINE SERIES PNEUMATIC-TIRE ROLLERS

Basic data				
Machine model	Weight class (t)	Width over tires (in)	Engine power (Hp)	Wheel load (t)
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard				
HD 14i TT	4	44.4 / 50.2	50.1	0.5

VV Vibration at front – vibration at rear VT Vibration at front – set of wheels at rear
 VO Vibration at front – oscillation at rear TT Set of tires at front – set of wheels at rear

Easy transport

central suspension point, many tie-down points

Water system

3x filtering, simple complete emptying

Large drums

counteract crack and bulge formation

BATTERY-POWERED ELECTRIC TANDEM ROLLERS

Quiet and zero-emissions 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.

A 48 V system supplies the travel, steering and vibration or oscillation drives with energy. 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. The majority of the braking energy is also recovered through recuperation. Using the CEE fast charging plugs, the batteries are fully charged in around 4 hours.

HD COMPACTLINE SERIES

Basic data					Drums / variants			
Machine type	Weight class (t)	Drum width (in)	Engine power (HP)	Max. working width (in)	VV	VO	VT	OT
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard								
HD 10e	2.5	39.4	23.4	41.3	•	•	•	•
HD 12e	2.5	47.2	23.4	49.2	•	•	•	•

VV Vibration at front - vibration at rear VT Vibration at front - set of wheels at rear
 VO Vibration at front - oscillation at rear OT Oscillation at front - set of wheels at rear

CO₂ saving
10 kg per operating hour

Li-ion battery
with 23 kW h capacity

Automatic engine stop
fitted as standard

FIRST-CLASS COMPACTION

Uncompromisingly good



The articulated tandem rollers in the HD+ series cover the range between 7 and 14 t with over 50 models. The XXL cabin or platform is very spacious and comfortable. From this ergonomically optimized 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. The rollers can also be operated with HVO fuels.

HD+ SERIES

Basic data					Drums / variants						
Machine model	Weight class (t)	Drum width (in)	Engine power (HP)	Max. working width (in)	VV	VV-S	VO	VO-S	VT	VT-S	OT
Machines in accordance with the EPA Tier 4 exhaust emission standard											
HD+ 70i	7	59	74.2	64.4	•		•		•		
HD+ 80i	8	66.1	74.2	71.5	•	•	•	•	•	•	•
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard											
HD+ 70i	7	59	74.2	64.4	•		•		•		
HD+ 80i	8	66.1	74.2	71.5	•	•	•	•	•	•	•
HD+ 90i PH	9	66.1	74.2	72.8	•	•	•	•	•	•	
HD+ 90i	9	66.1	113.9	72.8	•	•	•	•	•	•	
HD+ 110i	11	66.1	113.9	72.8	•		•		•		
HD+ 120i	12	78	154.1	84.6	•		•				
HD+ 140i	14	84.3	154.1	90.9	•		•				

VV Vibration at front - vibration at rear
VO Vibration at front - oscillation at rear
VT Vibration at front - set of wheels at rear

OT Oscillation at front - set of wheels at rear
VV-S Split vibration at front - split vibration at rear
VO-S Split vibration at front - oscillation at rear

VT-S Split vibration at front - set of wheels at rear
PH Power Hybrid

Easy operation

clear, language-neutral operating elements

Large drums

large drum diameters and widths

Two water tanks

large tanks with communicating line for even weight distribution

HP 100i 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 the EPA Tier 4 exhaust emission standard						
HP 100i	6 - 10	1725	55,4	628/688	5.890	10.020

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 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. For all weight classes, there are split vibrations and oscillation drums. The Smart Compact digital compaction assistant actively supports the choice of compaction parameters. The rollers can also be operated with HVO fuels.

HX SERIES

Machine model	Weight class (t)	Drum width (in)	Engine power (HP)	Max. working width (in)	Drums / variants				
					VV	VV-S	VO-S	VS-OS	VT-S
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard									
HX 70i	7	59	74.3	109	•	•	•	•	•
HX 90i	9	66.1	99.7	120.1	•	•	•	•	•

VV Non-split vibration at front - non-split vibration at rear
VV-S Split vibration at front - split vibration at rear
VO-S Split vibration at front - non-split oscillation at rear

VS-OS Split vibration at front - split oscillation at rear
VT-S Split vibration at front - set of wheels at rear



Easy Drive
enables 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 cabins of the HC CompactLine impress with their exceptional visibility and ease of operation. Drivers can very quickly adjust the very spacious, ergonomically optimized 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	Weight class (t)	Drum width (in)	Engine power (HP)	V	VIO	P
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard						
HC 50i	5	53.9	74.3	•		•
HC 70i	7	66.1	74.3	•	•	•

V Smooth drum with vibration VIO Smooth drum, can switch between vibration and oscillation P Padfoot drum



High gradeability

large slope angle and powerful travel drive

Compact shape

ideal for cramped construction sites

3-point articulation

driving comfort, outstanding off-road mobility, safe manoeuvring

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 maneuverable whilst ensuring optimum driving stability. The HC series is well prepared for the quality and communication requirements of the future with interfaces and hardware.

The cabin or operator's platform is ergonomically optimized 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 ensure low emissions. They can also be operated with HVO fuels. The engine hood can be opened wide, making it easier to access the points requiring daily maintenance.

HC SERIES

Basisdaten				Drums / variants			
Machine model	Weight class (t)	Drum width (in)	Engine power (HP)	V	VIO	P	R
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard							
HC 110i	11	84.3	114	•		•	
HC 110i C	11	84.3	114	•		•	
HC 120i	12	84.3	114	•		•	
HC 120i C	12	84.3	114	•		•	
HC 130i	13	84.3	160.4	•	•	•	
HC 130i C	13	84.3	160.4	•		•	
HC 140i	14	84.3	160.4	•		•	
HC 160i	16	84.3	160.4	•		•	
HC 160i C	16	84.3	160.4	•		•	
HC 180i	17	84.3	214.7	•		•	
HC 200i	20	84.3	214.7	•		•	
HC 200i C	20	84.3	214.7	•		•	
HC 250i C	25	84.3	214.7	•		•	•

V Smooth drum with vibration

VIO Smooth drum, can switch between vibration and oscillation

P Padfoot drum

C "Climbing" equipment for increased gradeability

R Extended "climbing" equipment for heavy-duty use

Easy Drive

safe, intuitive operation, lots of comfort options

Excellent gradeability

large slope angle, powerful travel drive

Large linear load

up to 78 kg/cm, depending on the model



INNOVATION ON EIGHT WHEELS

The flexible powerhouses

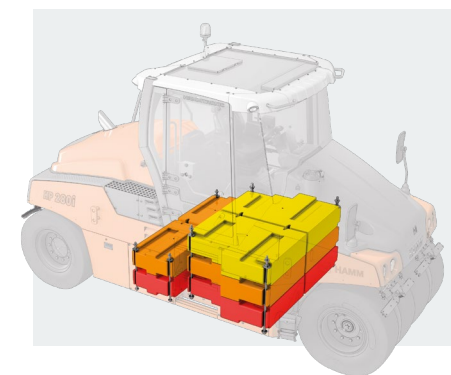


The HP series of pneumatic-tire rollers offer impressive performance in earthworks and asphalt construction. All models offer a spacious and comfortable operator's platform. An asymmetric frame and the intelligent machine design provide for excellent visibility. Another feature is the language-neutral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

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

HP SERIES

Basic data						
Machine model	Weight class (t)	Max. working width (in)	Engine power (HP)	Wheel load (t)	Min. operating weight (kg)	Max. operating weight (kg)
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard						
HP 180i	8 - 18	82	75.3	1.0 - 2.2	8,515	17,180
HP 280i	10 - 28	82	113.9	1.3 - 3.5	9,505	26,970



Ballasting concept
quick and accurate equipment of the machine

Large-sized operator's platform
with outstanding all-round visibility

Safety
thanks to extremely powerful brake system

YOUR WIRTGEN GROUP CUSTOMER SUPPORT

Service you can always rely on.

Place your trust in our reliable and fast support during the complete life cycle of your machine. Our wide service offer includes suitable solutions to meet all of your challenges.



Service

We keep our service promises – with fast and simple assistance both on the building site as well as in our professional workshops. Our Service team has received expert training. Thanks to special tools, repair, care and maintenance work is completed quickly. Upon request, we can support you with tailored service agreements.

> www.wirtgen-group.com/service



Spare parts

Original parts and accessories from WIRTGEN GROUP can ensure the high reliability and availability of your machines long term. Our experts will be glad to advise you on application-focused wear part solutions. Our parts are available worldwide, at any time and are easy to order.

> parts.wirtgen-group.com



Training

Staff responsible for the WIRTGEN GROUP's product brands are specialists in their areas and have decades of application experience. Our customers also greatly benefit from these experts. In our WIRTGEN GROUP training courses, we gladly pass on our knowledge to operators and service personnel.

> www.wirtgen-group.com/training



Telematics solutions

Construction machines with leading technology and perfected telematics solutions work hand-in-hand in the WIRTGEN GROUP. The Operations Center* – the platform for digital solutions for process, machine and service optimization – allows you not only to simplify maintenance planning for your machines but also to increase your productivity and cost-effectiveness.

> www.wirtgen-group.com/telematics

* John Deere Operations Center™ (formerly WITOS) is currently not available in all countries. Please consult your responsible branch or dealer if you have any questions in this area.



HAMM



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