A factory full of innovations

Where the heart of compaction beats

In the heart of Europe, surrounded by the wonderful Upper Palatinate fenland, lies Tirschenreuth. There, in 1878, Franz and Anton Hamm founded the machine factory "Maschinenfabrik Gebr. HAMM". Since the beginning of the 20th century, the company has concentrated on the manufacture of rollers for road building. 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. The extensive machine programme encompasses various tandem rollers, a wide choice of compactors as well as pneumatic tyre rollers. Modern solutions with which to optimise the compaction process round off the product portfolio. They enable HAMM to offer practical, tailor-made solutions for all compaction tasks involved in road building and earth work.

All HAMM rollers as well as the drums are produced at the Tirschenreuth factory. State-of-the-art production processes allow every machine to be finished individually to customer specification. Extensive quality testing accompanies the production process.
The factory

03

1 ADMINISTRATIVE BUILDING
The administrative building houses the sales and development centre, customer support and the majority of the non-technical departments. The technical highlight of the building is the energy provision: Below the car park, a geothermal energy plant collects renewable energy from the depths, which is used for particularly environmentally friendly cooling or heating.

2 DRUM MANUFACTURING PLANT
The drum manufacturing plant is where we produce all of the drums for our rollers.

3 LOGISTICS CENTRE
From here, state-of-the-art warehouse systems with highly optimised processes supply our production with all the parts they need.

4 ASSEMBLY HALL FOR LARGE MACHINES
This is where the manufacturing of HAMM rollers is realised on a highly efficient cyclic assembly line.

5 TESTING HALL
Before delivery, every HAMM roller must pass a comprehensive testing programme on one of our testing bays.

6 CTT (CENTRE FOR TRAINING AND TECHNOLOGY)
We train roller operators as well as workshop and service technicians in our modern CTT (Centre for Training and Technology).

7 SHIPPING
In this area, our shipping team prepares the rollers for delivery to customers.

8 ENDURANCE TEST TRACK
Endurance testing for new developments: Before series production can begin, we subject our prototypes to months-long endurance tests on two testing facilities that include steep slopes, moguls and a vibration section. Here, the rollers run autonomously.
Product programme
State-of-the-art technology for road building and earth work

The HAMM product programme encompasses not only the machines listed here, but also the HCQ measurement and documentation system and various attachments, as well as many options. You will find details of them in the corresponding brochures.
Explanations:

V: Vibrating drum
O: Oscillation drum
VIO: Vibration and oscillation in one drum
P: Padfoot drum
PH: Power Hybrid
-S: Split vibrating drum
c: Clear Side
T: Set of tyres
VC: Crusher drum
i: Intelligent emission control
C: Climbing
O: Oscillation
E: Easy Drive
The wasp-waist rollers

The agile all-rounders

Top-quality compact rollers

The articulated compact rollers in the HD CompactLine, with operating weights between 1.4 and 4.5 t, are real all-rounders for asphalt construction, earth work and landscape gardening. Their operation is extremely easy and calls for no special language skills. Moreover, the wasp-waist rollers impress on account of their optimum visibility and outstanding driving and handling characteristics attributable primarily to the 3-point articulation.

With more than 15 models and drum widths from 0.80 to 1.38 m, the HD CompactLine covers the entire spectrum of compact rollers with vibrating, oscillation and combination rollers. In addition, there are numerous options such as chip spreaders or a cabin for the larger models, as well as various lighting options.
**VISIBILITY**
The wasp waist and longitudinally mounted engine provide an excellent view of the drum edges, machine and surrounding construction site.

**EASY TRANSPORT, EASY LOADING AND UNLOADING**
Central lifting point and many lashing points for fast and safe loading/unloading.

**COMPACT DIMENSIONS**
High-quality compaction, even in cramped conditions, thanks to compact dimensions.

**INTELLIGENT WATER SYSTEM**
Dependable water supply thanks to triple filtration; additional activation via foot switch. Easy complete draining.

**LARGE ROLLER DRUM DIAMETERS**
Roller drums with large diameters actively reduce tearing and overlapping and promote high-quality compaction.

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### HD CompactLine

<table>
<thead>
<tr>
<th>Basic data</th>
<th>Drums / variants</th>
<th>Equipment and options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight class (t)</td>
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* Machines in accordance with EU Stage IIIA / EPA Tier 4 exhaust emission standards

**NOTES:**
- VV: Vibration (front) - Vibration (rear)
- VO: Vibration (front) - Oscillation (rear)
- VT: Vibration (front) - Set of tyress (rear)

**Hamm_Sammelprospekt_D_E_ES_F_V3_02-18.indd**  07.03.18   16:13
First-class compaction
Uncompromisingly good

The articulated tandem rollers in the HD+ series cover the range between 7 and 14 t with over 30 models. The XXL cabin or platform offers spacious and comfortable working conditions. From this workspace, drivers have an excellent overview of the drums, water sprinkling system and surrounding area.

With their exceptionally favourable weight distribution, the rollers of HD+ series stand out in terms of handling and compaction characteristics. Whether straights, slopes, bends or roundabouts: these rollers quickly produce perfectly smooth surfaces. With easy edge-finishing in mind, HAMM has made the track offset extra large. And last but not least, the HD+ rollers are equipped with large water and diesel tanks for long working days without refilling stops. This greatly boosts productivity.

Outstanding handling, high compaction power
VISIBILITY
Safety and high compaction quality thanks to the outstanding overview of the machine and surrounding construction site from any sitting position.

OPERATION
Safe, intuitive operation thanks to clear operating elements marked in a language-neutral manner and an ergonomically optimised workspace.

HIGH COMPACTION POWER
With large drum diameters and widths, and with a working weight to match, the rollers of HD+ series compact quickly and to a very high quality.

LARGE WATER TANKS
Even weight distribution on account of two large water tanks with interconnecting pipework.

3-POINT ARTICULATION
The special kinematics ensure even weight distribution, first-rate directional stability and outstanding driving stability.

<table>
<thead>
<tr>
<th>HD+ 70i</th>
<th>Weight class (t)</th>
<th>Drum width (mm)</th>
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<th>VO</th>
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<th>VT</th>
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<th>OT</th>
<th>Easy Drive</th>
<th>Track offset</th>
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HD+ 80i

HD+ 90i

HD+ 90i PH

Machines in accordance with EU Stage IIIIB / EPA Tier 4 exhaust emission standards

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HD+ 110

HD+ 120

HD+ 140

Machines in accordance with EU Stage IIIA / EPA Tier 3 exhaust emission standards

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HD+ 110i

HD+ 120i

HD+ 140i

Machines in accordance with EU Stage IV / EPA Tier 4 exhaust emission standards

* VV: Vibration (front) - Vibration (rear)
* VV-S: Vibration, split (front) - Vibration, split (rear)
* VO: Vibration, split (front) - Oscillation (rear)
* VT: Vibration (front) - Set of tyres (rear)
* VT-S: Vibration, split (front) - Set of tyres (rear)
* OT: Oscillation (front) - Set of tyres (rear)
* PH: Power Hybrid
Rollers with clear vision

Powerful, precise and productive

The premium class for asphalt compaction

On the pivot-steered tandem rollers in the DV+ series, the Easy Drive operating concept ensures top-class ergonomics and ease of operation. From the fully glazed panoramic cabin with optimum visibility, the driver enjoys a good view of the drum edges, the edge pressing and cutting equipment and the construction site at all times. Additional viewing panels in the cabin floor also allow him an uninterrupted view of the drums or wheels.

Thanks to their pivot steering with very large track offset, the DV+ series rollers can be controlled very precisely in four different steering modes. In addition, the rollers are fitted with split vibrating drums as standard. Together with the uniform weight distribution and the automatic soft ramps for gentle acceleration and braking, they produce asphalt surfaces of impeccable smoothness – even in tight curves.
VISIBILITY
Safety and high compaction quality thanks to the outstanding overview of the machine and surrounding construction site from any sitting position.

EASY DRIVE
Safe, intuitive operation thanks to clear operating elements marked in a language-neutral manner and an ergonomically optimised workspace.

LONG WORKING INTERVALS
Maximum possible productivity thanks to generously dimensioned fuel and water tanks.

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

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

### Basic data

<table>
<thead>
<tr>
<th>DV+ 70i</th>
<th>Weight class (t)</th>
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Machines in accordance with EU Stage III B / EPA Tier 4 exhaust emission standards

### Drums / variants*

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<th>ROPS cabin</th>
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</table>

Machines in accordance with EU Stage IV / EPA Tier 4 exhaust emission standards

**Notes:**

- VV-S: Vibration, split (front) – Vibration, split (rear)
- VO-S: Vibration, split (front) – Oscillation (rear)
- VT-S: Vibration, split (front) – Set of tires (rear)
- *: Indicates optional features.
Innovation on 8 wheels
The most up-to-date pneumatic tyre roller

Intelligent design for top-class compaction

The rollers of series GRW 180/280 win many friends with their spacious operator’s platform with panoramic cabin and outstanding visibility - mainly on account of the asymmetric frame with sight channels. Another feature is the language-neutral operation. It makes work easier for drivers and ensures safe operation.

In addition, the most up-to-date pneumatic tyre roller in the world features easy handling, optimum weight distribution, a special suspension system with levelling feature and modern power train to provide the very best conditions for high-quality compaction. One special detail is the intelligent ballasting concept which also makes the GRW 180/280 the most flexible pneumatic tyre roller on the market.

<table>
<thead>
<tr>
<th>HD CompactLine</th>
<th>Basic data</th>
<th>Equipment and options</th>
</tr>
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<tr>
<td>HD 14 TT</td>
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</table>

Machines in accordance with EU Stage IIIA exhaust emission standards.
VISIBILITY
Excellent overview of the machine and construction site from every sitting position for safe, high-quality compaction.

LARGE DRIVER PLATFORM / CABIN
Large, well-appointed panoramic cabin or large operator’s platform.

EASY SERVICING
Convenient access way to the operator’s platform, can easily be folded down. Large footplates provide quick and easy access to the maintenance platform on the engine.

BALLASTING CONCEPT
Variable ballasting concept enables fast, optimum equipping of the machine.

SAFETY
Extremely powerful braking system for maximum safety.

<table>
<thead>
<tr>
<th>GRW</th>
<th>Weight class (t)</th>
<th>Working width (mm)</th>
<th>Engine power (kW)</th>
<th>Wheel load (t)</th>
<th>Operating weight min. (t)*1</th>
<th>Operating weight max. (t)*1</th>
<th>Easy Drive</th>
<th>Seat-operating unit moveable and rotatable</th>
<th>Front axle brake*2</th>
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</table>

*1 based on the flexible ballast weights
*2 front axle brake compulsory on machines with an operating weight of 20 t or more

Machines in accordance with EU Stage IIIB / EPA Tier 4 exhaust emission standards

Machines in accordance with EU Stage IIIA / EPA Tier 3 exhaust emission standards

Machines in accordance with EU Stage IV / EPA Tier 4 exhaust emission standards
Sound technology, robustly built

The robustly built GRW series pneumatic tyre rollers can be found on asphalt and earth work sites the whole world over. An even weight distribution on all tyres and good handling characteristics make for reliable compaction results. The rollers can operate in all climatic zones and are extremely easy to operate and maintain.

<table>
<thead>
<tr>
<th>GRW</th>
<th>Weight class (t)</th>
<th>Working width (mm)</th>
<th>Engine power (kW)</th>
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</table>

Machines in accordance with EU Stage IIIA / EPA Tier 3 exhaust emission standards
The asphalt professionals

At home on every construction site

The tandem rollers of the HD series are highly valued professionals for asphalt construction the whole world over. From the ergonomically optimised operator’s platform or spacious cabin, the driver has everything in view: the drum, the water sprinkling system and the surrounding construction site. High-quality compaction is assured thanks to the 3-point articulation, very small turning circle and large track offset.

<table>
<thead>
<tr>
<th>HD</th>
<th>Basic data</th>
<th>Drums / variants</th>
<th>Options</th>
</tr>
</thead>
<tbody>
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</table>

* VV: Vibration (front) - Vibration (rear)
  VO: Vibration (front) - Oscillation (rear)
  VT: Vibration (front) - Set of tyres (rear)
Compact climbers
All-rounders for earth work

Great compaction force – even for small sites

The exceptionally small compactors in the H CompactLine series offer an enormous climbing ability of up to 60% and maximum ground clearance, because the drive is provided via modern wheel motors. In addition, the 3-point articulation together with a very short wheel base ensures optimum driving and handling characteristics. The H CompactLine machines are also very short, making them predestined for cramped construction sites and compaction on uneven ground.

The operator’s platform or cabin of the H CompactLine stand out for their exceptional visibility and ease of operation. In addition, drivers can very quickly adjust the ergonomically optimised workspace to their individual height and weight. This makes the H CompactLine models perfect for machine rental.
VISIBILITY
Safety and high compaction quality thanks to the outstanding overview of the machine and surrounding construction site from any sitting position.

SLOPE ANGLE AND CLIMBING ABILITY
Large slope angle and high-performance power train enable compaction on inclines of up to 60%.

ERGONOMIC WORKSPACE
Seat with multiple adjustment options and operating elements provide an ergonomic workspace for long, concentrated working.

COMPACT DIMENSIONS
Easy to manoeuvre, even on cramped construction sites, thanks to the compact design.

3-POINT ARTICULATION
Ensures optimum driving comfort and outstanding off-road mobility, absorbs shocks and enables safe manoeuvring, even on rough terrain.

### H CompactLine

<table>
<thead>
<tr>
<th>Basic data</th>
<th>Drums / variants*</th>
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* V: Vibration (front)
VIO: Vibration (front) – Oscillation (front)
P: Padfoot drum (front)

Machines in accordance with EU Stage IIIIB / EPA Tier 4 exhaust emission standards
Powerful heavyweights for earth work

Powerful and easy to operate

Clean compaction force

The H series compactors are powerful professionals with great compaction force for today’s earth work. Off-road, the compactors display their qualities to the full because, thanks to the 3-point articulation and the large slope angles at the front and rear, they are extremely manoeuvrable with optimum driving stability. Here, modern engines with future-proof technology ensure very low emissions.

The cabin or operator’s platform is ergonomically optimised and the compactors are especially convenient and simple to operate thanks to Easy Drive. In addition, there is an excellent view of the drum and the working environment around the machine. Maintenance, too, is straightforward thanks to the wide-opening engine hood. This simplifies access to the filters and daily maintenance points.
**VISIBILITY**
Safety and high compaction quality thanks to the outstanding overview of the machine and surrounding construction site from any sitting position.

**LARGE LINEAR LOAD**
Extremely high linear loads – up to 78 kg/cm according to the model.

**ERGONOMIC WORKSPACE**
The Easy Drive operating concept and many convenience options make for an ergonomic workspace and long, concentrated working.

**3-POINT ARTICULATION**
Ensures optimum driving comfort and outstanding off-road mobility, absorbs shocks and enables safe manoeuvring, even on rough terrain.

### Basic data

<table>
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<th>H 11i</th>
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<tr>
<td>H 25i</td>
<td>25</td>
<td>2140</td>
<td>160</td>
<td>•</td>
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</tr>
</tbody>
</table>

*V: Vibration (front)
VIO: Vibration (front) – Oscillation (front)
P: Padfoot drum (front)
C: Clear Side

**Machines in accordance with EU Stage IV / EPA Tier 4 exhaust emission standards**

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**SLOPE ANGLE AND CLIMBING ABILITY**
Large slope angle and high-performance power train enable compaction on inclines in excess of 60%.
One roller for two jobs
Rock crushing and compacting

The VC compactors with crusher drum crush and compact rock in one operation. This significantly simplifies and speeds up many processes, ultimately saving time and resources.

The VC quick-change toolholder system is used to equip the drums with special cutting tools. With these tools, they can crush stone, loosen rock, grade or prepare routes in rocky terrain, maintain underground accessways and much more besides. A further option is to fit the tool holders with padfoot inserts, making the VC compactor ready to compact cohesive soils.

In order to master these tasks effortlessly, the VC compactors are equipped as heavy-duty machines, able to tackle slopes of up to 60%, crushing and compacting as they go, thanks to their high-performance power trains.
ROBUST SPECIFICATION
Extremely robust design with heavy-duty components.

CLIMBING ABILITY
High-performance power train and Hammtronic electronic machine management system fitted as standard enable an exceptional climbing ability of up to 60%.

VC QUICK-CHANGE TOOLHOLDER SYSTEM
Fast tool-changing for high productivity. May also be easily carried out on-site.

HIGH POINT LOAD
High crushing force thanks to maximum point load of up to 50 t per cutting tool.

3-POINT ARTICULATION
Ensures outstanding traction and off-road mobility, absorbs shocks and enables safe manoeuvring, even on rough terrain.

---

**Basic data**

<table>
<thead>
<tr>
<th>VC</th>
<th>Weight class (t)</th>
<th>Drum width (mm)</th>
<th>Engine power (kW)</th>
<th>Hammtronic</th>
<th>HAMM Compaction Meter</th>
<th>VC quick-change toolholder system</th>
<th>Easy Drive</th>
</tr>
</thead>
<tbody>
<tr>
<td>3625 HT VC*</td>
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<td>2220</td>
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<tr>
<td>H 25i VC*</td>
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<td>2220</td>
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</tr>
</tbody>
</table>

* VC: Vibration Crusher
  HT: Hammtronic

Machines in accordance with EU Stage IIIA / EPA Tier 3 exhaust emission standards
Machines in accordance with EU Stage IV / EPA Tier 4 exhaust emission standards
The tried and tested compactors

Flexible use in earth work

Robust engineering for all markets

The compactors of series 3000 greet drivers with a spacious cabin or operator’s platform and an inviting workspace. Operation of the compactors is extremely easy and the visibility they offer is also top-class.

While carrying out compaction work on-site, the compactors stand out for their high compaction power, small turning circle and low noise emissions. Their fuel consumption is also impressively low, especially on the models equipped with the Hammtronic machine management system. It is also responsible for a very good climbing ability of over 60%.
VISIBILITY
Safety and high compaction quality thanks to the outstanding overview of the machine and surrounding construction site from any sitting position.

ROBUST ENGINEERING
The intelligent design has proved its worth for many years all over the world and stands out for its robust execution.

3-POINT ARTICULATION
Ensures optimum driving comfort as well as outstanding traction and off-road mobility, absorbs shocks and enables safe manoeuvring, even on rough terrain.

CLIMBING ABILITY
The ingenious power train concept provides great climbing ability, especially on rollers equipped with Hammtronic.

SIMPLE MAINTENANCE AND SERVICING
All daily maintenance points are located in readily accessible positions on the same side of the machine – the most important prerequisite for fast checks.

<table>
<thead>
<tr>
<th>3000 series</th>
<th>Basic data</th>
<th>Drums / variants*</th>
<th>Equipment and options</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Weight class (t)</td>
<td>Drum width (mm)</td>
<td>Engine power (kW)</td>
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<tr>
<td>3411</td>
<td>11</td>
<td>2140</td>
<td>98</td>
</tr>
</tbody>
</table>

Machines in accordance with EU Stage II / EPA Tier 2 exhaust emission standards

| 3410 | 10 | 2140 | 100 | • | • | • | • |
| 3411 | 11 | 2140 | 100 | • | • | • | • |
| 3412 | 12 | 2140 | 100 | • | • | • | • |
| 3414 | 14 | 2140 | 100 | • | • | • | • |
| 3516 | 16 | 2140 | 155 | • | • | • | • |
| 3518 | 18 | 2220 | 155 | • | • | • | • |
| 3520 | 20 | 2220 | 155 | • | • | • | • |
| 3625 | 25 | 2220 | 155 | • | • | • |

Machines in accordance with EU Stage IIIA / EPA Tier 3 exhaust emission standards

* V: Vibration (front)
VIO: Vibration (front) – Oscillation (front)
P: Padfoot drum (front)