Welcome to HAMM
5 premium brands
The Wirtgen Group

- Global market leader in mobile road construction machinery
- 2 business segments
  - Road Technologies – Mineral Technologies
- 5 strong product brands

Hamm
HAMM –
A long history

HISTORY
Milestones at HAMM
A long history

1878: Founded by the Hamm brothers

1911: Start of production of rollers with diesel engines

1932: First tandem roller with all-wheel drive

1963: The pneumatic tyre roller is born

1967: Pivot-steered vibration tandem rollers
Milestones at HAMM
A long history

1983: A revolutionary technology – OSCILLATION

1998: Launch of the HD series

1999: HAMM becomes a member of the Wirtgen Group

2000: Launch of the 3000 series

2006: Premiere of the new HD CompactLine class
Milestones at HAMM
A long history

- 2015: HAMM becomes the global market leader
- 2017: Acquisition of the Wirtgen Group by John Deere
HAMM in Tirschenreuth
1987: The company at Hammstrasse (Franz-Heldmann-Strasse)
Hamm in Tirschenreuth
2002: The company at Hammstrasse
Hamm in Tirschenreuth
Up to 2014: Expansion of the company
(drum factory, shipping hall, endurance test track, sales and development centre)
Development of production at HAMM
From small company to global market leader

> Over the past 15 years, the number of units has increased fivefold
> Today, 45 machines are produced every day
Main Office and Parts Warehouse - Nashville

35 Acres
200,000 Square feet
270 Employees in North America
CTT Center for Training and Technology

WIRTGEN GROUP
HAMM rollers 2017
Hamm rollers 2017

High regulated markets

H CompactLine

H

GRW 180i/280i

DV+

HD+

HD CompactLine

EU Stage VI/

Tier 4

EPA
H CompactLine series
H CompactLine series
Compact. Powerful. Comfortable

VISIBILITY
SLOPE ANGLE AND CLIMBING ABILITY
ERGONOMIC WORKSPACE
COMPACT DIMENSIONS
3-POINT ARTICULATION
H series
Powerful and comfortable

VISIBILITY
SLOPE ANGLE AND CLIMBING ABILITY
ERGONOMIC WORKSPACE
HIGH LINEAR LOAD
3-POINT ARTICULATION
Compaction

**Smooth drum**
- For non-cohesive soils

**Padfoot**
- For cohesive soils

**VIO**
- For non-cohesive soils. Available for H 13i
Steering

3-point articulation – the advantages

- Even weight distribution in curves for outstanding traction in rough terrain
- Shock absorption (driving comfort)
- Outstanding directional stability
- Greater protection against tipping in curves
VC series

HAMM
VC series
Rock crushing and compacting

ROBUST EQUIPMENT
CLIMBING ABILITY
VC QUICK-CHANGE TOOLHOLDER SYSTEM
LARGE LINEAR LOAD
3-POINT ARTICULATION
VC quick-change toolholder system

**Standard cutting tool**
- Sand to limestone and mixed soils, minimally abrasive materials

**Heavy duty cutting tool**
- For hard rock (such as basalt and highly abrasive materials)

**Padfoot insert**
- For cohesive material
Operation

- Point load ~ 50 t
Use

Crushing and compacting

- Mining – infrastructure such as transport routes
- Direct utilisation of blasted material
- Reduced tire wear

Result after 8 passes
Use

Customer benefits

Fewer transport movements, machines and personnel
HD CompactLine
HD CompactLine
The agile all-rounder

- VISIBILITY
- SIMPLE TRANSPORT, SIMPLE LOADING AND UNLOADING
- COMPACT DIMENSIONS
- INTELLIGENT WATER SYSTEM
- LARGE ROLLER DRUM DIAMETERS
HD+ series
First-class compaction
HD+ series
DV+ series
DV+ series
Precise and productive

- VISIBILITY
- EASY DRIVE
- LONG WORKING PERIODS
- WATER SYSTEM
- STEERING
Operator’s platform

- Spacious ROPS cab or ROPS
- Panoramic cab
- Direct view of drums (= clear view concept)
Steering

Four steering modes

- Front axle steering
- Rear axle steering
- Analogue steering
- Diagonal steering

Extremely precise pivot steering by means of two hydraulic cylinders per drum & slewing ring located centrally over the middle of the drum
Steering
GRW 180/280 series
GRW 180/280 series
Innovation on eight wheels

- VISIBILITY
- LARGE DRIVER PLATFORM / CABIN
- EASY SERVICING
- BALLASTING CONCEPT
- SAFETY

HAMM
Award-winning design

35 international design awards

Among them:
- 3 iF Gold Awards
- 9 iF Design Awards
- 7 reddot Awards
- 3 Good Design Awards
- 2 Observeur Awards
- 2 Universal Design
Innovation

OSCILLATION

Easy Drive

HAMMTRONIC

Hamm Compaction Quality

POWER HYBRID

Remote-controlled roller
Easy Drive
A single operating philosophy for all rollers

- Safe, intuitive operation thanks to clear, language-neutral operating elements
- Ergonomically optimised workspace
- Shortest possible learning and familiarisation times
- Intuitive operation
Intelligent compaction with oscillation
Oscillation

- Ideal for asphalt compaction on bridges and near sensitive structures
- No grain crushing or damage to cold side
- Rapid compaction with perfect smoothness
- Greater flexibility thanks to a wider temperature window
- High compaction quality
Oscillation
HAMMTRONIC

Engine management
Vibration control

Networking, monitoring and control of all important machine functions

Drive control
Anti-slip control

Optimum compaction with low fuel consumption
Remote-controlled roller

- Maximum safety for the driver on difficult assignments
- All machine functions can be operated via remote control
HCQ Navigator
POWER HYBRID

- Simplified exhaust aftertreatment
- Reduction of up to 15% in fuel consumption thanks to hybrid drive and start/stop system
- Reduction in CO₂ emissions
- Sustainable drive system
- Cost-effective package solution
- Same functionality and operation as a standard machine
- Low noise levels
Clever use of alternative energy

One weight class – two technological drive solutions:

Diesel engine 85 kW

Diesel engine output

Output (kW)

Time

Diesel engine 55.4 kW + hydraulic accumulator

Diesel engine output

Output (kW)

Time

Accumulator utilisation
Accumulator charge
Thank you for your attention.