

UAM *proline*



by **UHRIG**

Key product attributes at a glance

The UAM proline series

The UAM proline series is the fruit of more than two decades of use in the road and building construction domains. Developed and manufactured by pros for pros, the sturdiness, durability and practicality of UAM compactors is unmatched.

The UAM proline compactors are an investment that pays off in practically no time, by virtue of the efficiency and effectiveness of their compaction performance and the extraordinarily high capacity use of the excavator. Compaction without a man in the trench minimizes the risk of accidents, by virtue of me-

chanical compaction right at the jobsite.

As many users have noted, UAM compactors are incredibly quiet thanks to the vertical position of their shock absorption elements. Directional oscillation ensures that the maximum amount of power is transferred to the ground, with minimal vibrations on the excavator arm and in the cabin.

Because UAM compactors can be configured in many different ways and are available in a broad range of models, they're highly efficient, safe and reliable for excavators weighing between 1.5 and 60 tons.



Compaction of surfaces and trenches.



Compaction of deep trenches in pipe zones



Excavation **and** compaction with a single tool

UAM compactors are highly versatile

Thanks to the extraordinary versatility of UAM compactors, you'll get maximum capacity use out of your excavators – not to mention the improved efficiency and the time you'll save, which results in an excellent return on investment.



Civil engineering



Road construction



Earthmoving



Building construction



Landscaping



Cable and pipe laying

Only **one** single central hydraulic manifold, mounted in a protected quantity can be adjusted for a broad frequency range

Available with a mechanical or hydraulic quick connect system.

Self-locking hydraulic slewing drive with worm gear
 - high torque up to 12,900 Nm retention force
 - eccentric configuration for reinforcement operations
 - low installation height

Solid steel fabrication

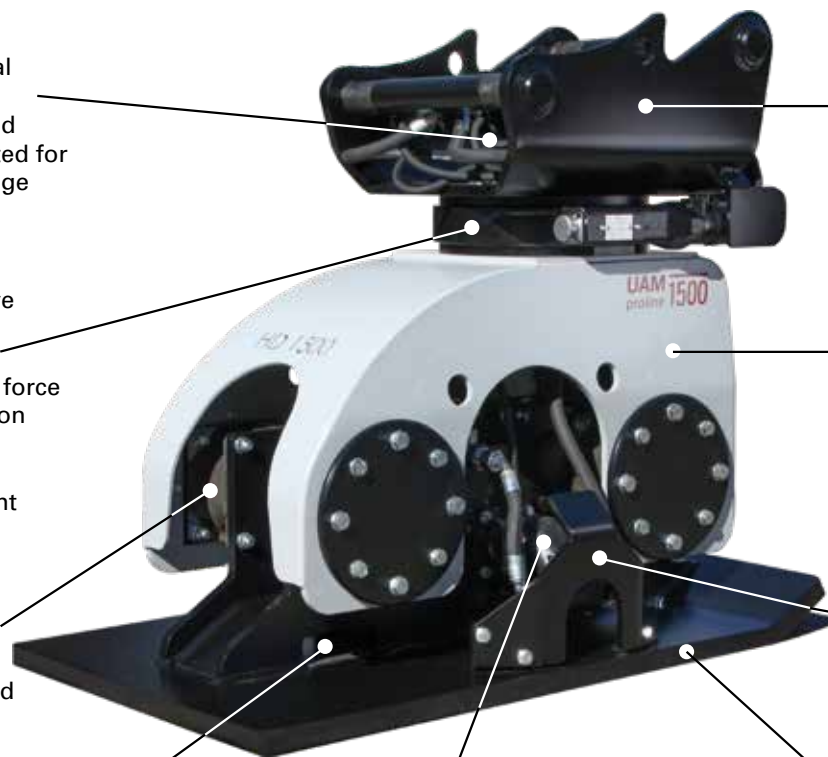
Vertically mounted vibrating elements, protected against
 Substantially increased service life

Robust motor protection

Thanks to a generous oil supply, moving parts are optimally cooled and lubricated

High quality oil motor with optimized tube and hose routing

Robust one-piece base plate



Optional: UAM-Controller

Our specially developed UAM-Controller helps avoid damage to pipes and nearby buildings. The controller continuously measures and logs the frequency of the ground being worked on and warns the operator if the machine is too close to or has reached the natural frequency of this ground – for example in the presence of damp or heavy soil, or if the compactor is overloaded.

- Permanent visual indicator in the direction of the carrier.
- Energy self-sufficient through solar power and powerful battery.
- Permanent logging of the working frequencies and the place of work by means of integrated GPS module, thus usable as proof in case of damage.
- Protocol and operating hours can be read directly via smartphone using the UAM app.



CAUTION:
 Critical natural frequency range.
 Lift the compressor and / or
 check the hydraulic settings.



Tied floors (clays, silts)
 Low frequency approx. 28-35 Hz



Mixed grained soils
 Medium frequency approx. 35-45 Hz
UNIVERSAL FREQUENCY



Non-binding soil (sand, gravel)
 High frequency approx. 45-55 Hz

Technical specifications at a glance



Illustration shows optional extension plate.



Illustration shows optional slewing drive.

HD200

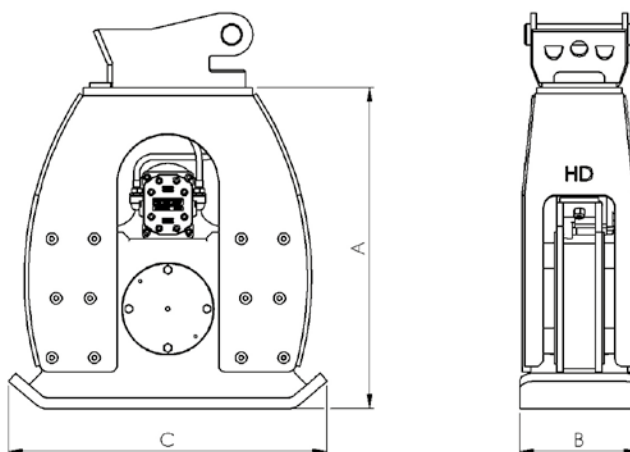
Thanks to its plate-width of only 280 mm, the HD 200 is ideal for compaction of narrow trenches, e.g. for cable and pipe laying.

Despite its compact size, it is amazingly robust and can thus be used with excavators ranging from 5 to 60 metric tons.

The HD 200's tremendous power of impact of up to 3,500 kg is unmatched in this segment. This allows for efficient compaction at maximum depth of filling.

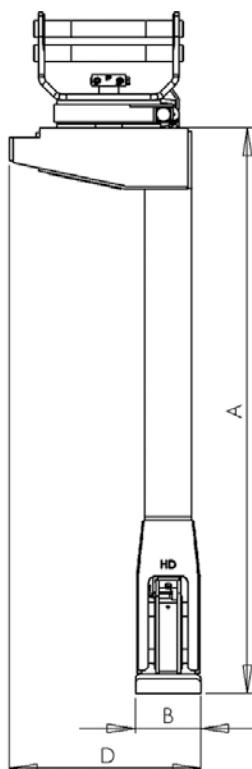
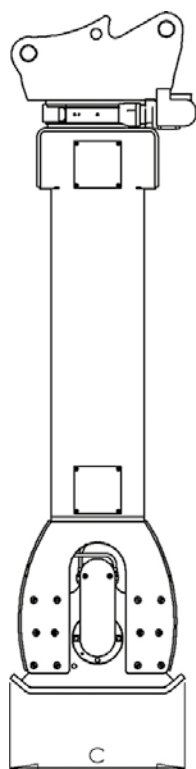
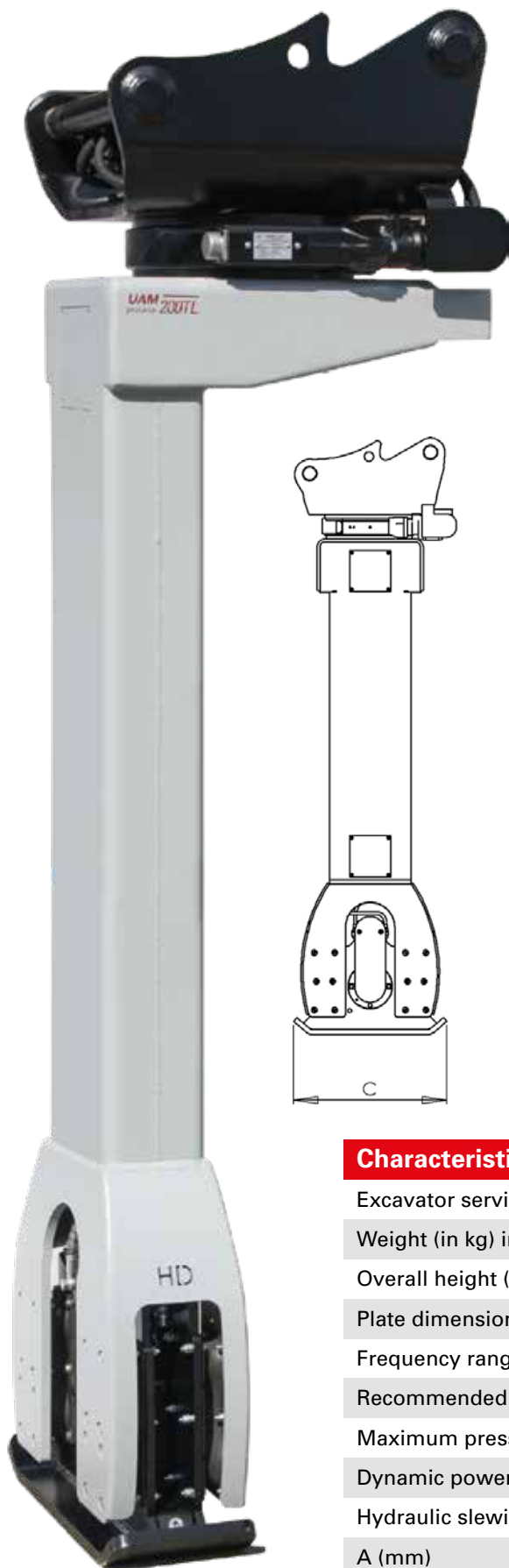
The HD 200 is available optionally with a hydraulic slewing drive with worm gear.

Another option available for the HD 200 is a 400 mm wide attachable extension plate.



Characteristics

Characteristics	HD 200
Excavator service weight (in metric tons)	5 - 60
Weight (in kg) including interchangeable frame	300
Overall height (in mm), including interchangeable frame	931
Plate dimensions (mm)	280 x 750
Frequency range (Hz)	28 - 60
Recommended minimum amount of oil (liters per min.)	60
Maximum pressure (bar)	210
Dynamic power of impact (in kg)	800-3,500
A (mm)	755
B (mm)	280
C (mm)	750



HD 200TL

The power of the HD200TL enables efficient compaction and maximum layer thickness. Optimal compaction results are essential in pipe zones, so as to avoid damage to pipes after they are laid.

Compaction operations involving pipes and ducts (including at substantial depths) are quicker and safer without a man in the trench. Our pipe zone compactors are also ideal from a safety perspective, as well as regulations concerning breathing apparatuses for the operation of gas or diesel driven compactors in trenches. The HD 200TL's tremendous power of impact of up to 4,500 kg is unmatched in this segment. This allows for efficient compaction at maximum depth of filling. The HD 200TL is rated for up to DN 2200 pipes.

HD 200TS

The shorter HD 200TS is identical to the HD 200TL, but is rated for up to DN 1400 pipes.

Characteristics	HD 200TL	HD 200TS
Excavator service weight (in metric tons)	10 - 60	10 - 60
Weight (in kg) including interchangeable frame	800	750
Overall height (in mm), including interchangeable frame	2,968	2,168
Plate dimensions (mm)	280 x 750	280 x 750
Frequency range (Hz)	28 - 60	28 - 60
Recommended minimum amount of oil (liters per min.)	100	100
Maximum pressure (bar)	210	210
Dynamic power of impact (in kg)	1,500-4,500	1,500-4,500
Hydraulic slewing drive retention force (in Nm)	12,900	12,900
A (mm)	2,455	1,655
B (mm)	280	280
C (mm)	750	750
D (mm)	695	695

Technical specifications at a glance



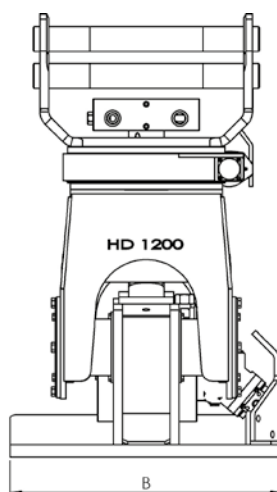
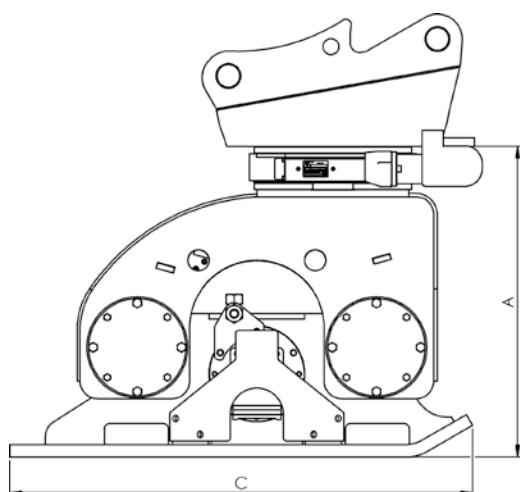
HD 500

The HD500 exhibits the exact same robust design and construction as our large compactors. The technology used for the HD 500 is unique in this segment, and is designed for professional use. With its 500 kg service weight, the compactor can be used for weights from 3 tons up, e.g. for landscaping.

HD 800

With its 800 kg service weight, the HD 800 can be used with excavators starting at 7 tons – and thus with a broad range of models. Its extremely sturdy construction and outstanding power of impact allow for reliable and excellent compaction, plus optimal comfort for the operator.

Optionally, UAM-Controller is available for the HD 800. This control device avoids damage to pipes and nearby buildings, and assists to adjust the frequency to the requirements of various types of grounds.



Characteristics	HD 500	HD 800	HD 1200	HD 1500	HD 2000
Excavator service weight (in metric tons)	5 - 10	7 - 20	15 - 30	20 - 60	20 - 60
Weight (in kg) including interchangeable frame	470	780	1.170	1,470	1,800
Overall height (in mm), including interchangeable frame	900	1,104	1,266	1.341	1,400
Plate dimensions (mm)	510 x 865	660 x 1,100	770 x 1,320	900 x 1,460	1,100 x 1,550
Frequency range (Hz)	28 - 60	28 - 60	28 - 60	28 - 60	28 - 50
Recommended minimum amount of oil (liters per min.)	60	90	150	210	210
Maximum pressure (bar)	210	210	210	210	210
Dynamic power of impact (in kg)	1,000-4,400	2,000-8,300	3,500-15,000	5,000-21,000	10,000-30,000
Hydraulic slewing drive retention force (in Nm)	3,300	9,300	12,900	12,900	12,900
A (mm)	645	785	875	940	990
B (mm)	510	660	770	900	1,100
C (mm)	865	1,100	1,320	1,460	1,550

HD 1200

The HD 1200 is rated for excavators larger than 15 metric tons and can thus be used with a broad range of models. Its extremely sturdy construction and outstanding power of impact allow for reliable and excellent compaction, plus optimal comfort for the operator. Optionally, UAM-Controller is available for the HD 1200. This control device avoids damage to pipes and nearby buildings, and assists to adjust the frequency to the requirements of various types of grounds.

HD 1500

With its 1.5 ton service weight, the HD 1500 compactor is rated for 20 to 60 tons excavators and delivers unmatched compaction results, along with optimal operator comfort. Optionally, UAM-Controller is available for the HD 1500. This control device avoids damage to pipes and nearby buildings, and assists to adjust the frequency to the requirements of various types of grounds.

HD 2000

The largest and heaviest mounted compactor with an incredible impact force of 20,000 kg at 40 Hertz is unrivaled worldwide. With a base plate size of over 1.7m² ideal for large volume compaction work with heavy equipment! Optionally, UAM-Controller is available for the HD 2000. This control device avoids damage to pipes and nearby buildings, and assists to adjust the frequency to the requirements of various types of grounds.

Advantages

- Best-in-class compaction thanks to adjustable frequency and power of impact.
- Enormously deep penetration optimizes efficiency for all types of grounds.
- Considerably greater capacity use of the excavator. No cost intensive idle time or downtime.
- Reduces noise, vibrations and exhaust emissions.
- Minimizes the risk of accidents thanks to mechanical compaction right at the jobsite.
- Reduces damage to pipes and nearby structures, thanks to controlled compaction, particularly in areas prone to damage.
- Quick return on investment thanks to efficient mechanical compaction and optimized machine capacity use.

The HD 500, HD 800, HD 1200, HD 1500 and HD 2000 compactors have a sizeable oil supply for cooling and lubrication of moving parts – and are thus optimized for demanding operating conditions and long operating times.

The HD 800, HD 1200, HD 1500 and HD 2000 can be equipped with an extension plate that is designed specially for the compaction of slopes, embankments and broad surfaces.

All models are optionally available without the standard slewing drive – for example if the excavator is equipped with a rotator, or has only one hydraulic circuit.

Extension plate

Designed specially for broad-surface and slope/embankment compaction.

The versatility of UAM proline compactors can be expanded even further in combination with the following accessories:

Excavator plate for the:

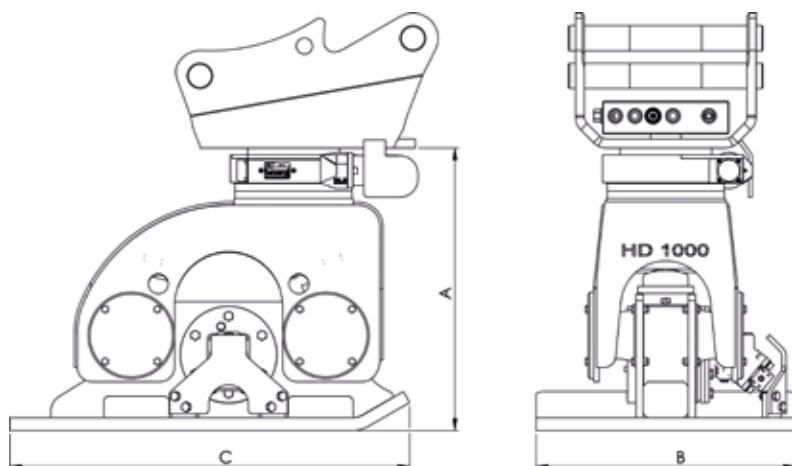
- HD 500; width: 100 cm; weight: 160 kg
- HD 800; width: 120 cm; weight: 210 kg
- HD 1200; width: 160 cm; weight: 350 kg
- HD 1500; width: 200 cm; weight: 470 kg
- HD 2000; width: 200 cm; weight: 470 kg



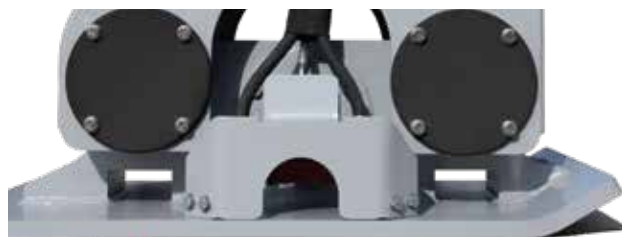
Technical specifications at a glance

HD 1000 and HD 1400

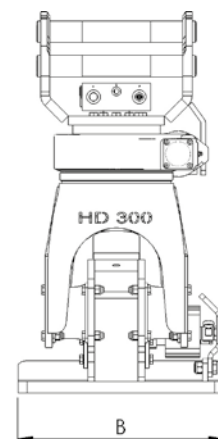
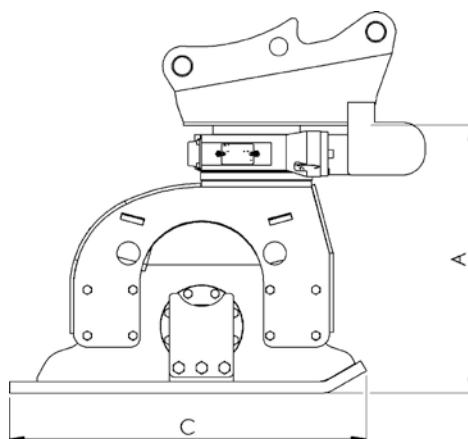
We committed ourselves to expand our portfolio by developing a series of products for a medium price range that does not compromise in terms of quality standards. The result of this commitment are the UAM HD 1000 and HD 1400 compactors. These models also provide optimal compaction results with high impact forces and directional vibration.



Both models are equipped with fork-lift mountings to facilitate handling at the jobsite, and to make transport simple and safe.



Characteristics	HD 1000	HD 1400	HD 125	HD 140
Excavator service weight (in metric tons)	7 - 20	14 - 40	1.5 - 10	1.5 - 10
Weight (in kg) including interchangeable frame	790	1,210	150	170
Overall height (in mm), including interchangeable frame	1,104	1,266	630	630
Plate dimensions (mm)	720 x 1,110	850 x 1,370	270 x 740	400 x 740
Frequency range (Hz)	28 - 60	28 - 60	55	55
Recommended minimum amount of oil (liters per min.)	90	150	40	40
Maximum pressure (bar)	210	210	160	160
Dynamic power of impact (in kg)	3,000-10,000	6,000-18,500	2,000	2,000
Hydraulic slewing drive retention force (in Nm)	9,300	12,900	3,300	3,300
A (mm)	785	875	460	460
B (mm)	720	850	270	400
C (mm)	1,110	1,370	740	740



HD 300

Our newly developed compactor HD300 now brings the proven UAM quality in the class of 3 to 8 tons of carrier equipment.

With a weight of less than 300kg and a plate width of 45cm, the HD300 is perfect for all compaction work.

Whether with or without quick coupler, with or without slewing drive, excavator with or without drain line: The

HD300 is like all UAM compactors freely configurable and has all "UAM genes": Optimum cooling and lubrication due to a generous oil supply, high quality components and a robust overall design. The optional worm gear slewing drive is asymmetrically mounted and allows the compactor a wide variety of applications.

HD 300

3 - 8

280

820

450 x 780

28 - 60

40

210

1,000-3,400

3,300

585

450

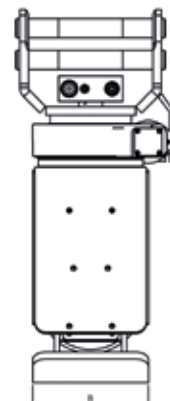
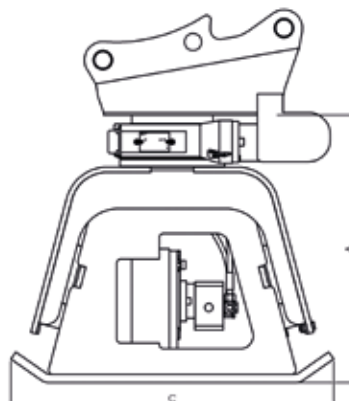
780



Illustration shows optional slewing drive.

HD 125 und HD 140

The two small models HD125 and HD140 with the narrow base plate are ideal for economically compacting narrow trenches, e.g. in cable or pipeline construction. In both widths, the compactors are also available with extension and are designed for excavators up to about 10 tons operating weight.



The UAM proline compactor bucket series*

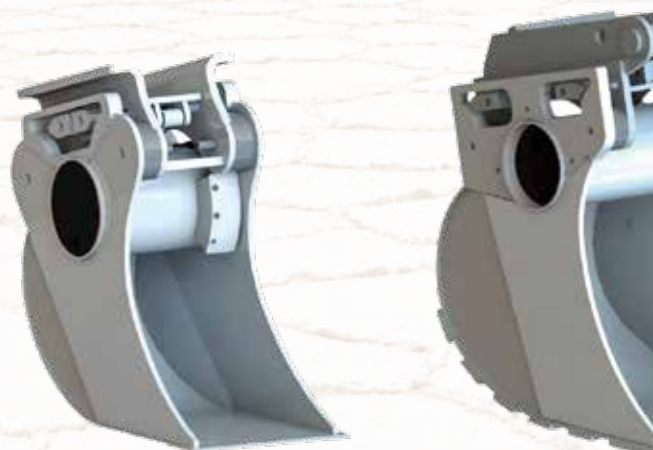
*Patent pending

The compactor bucket (patent pending) excavates, backfills and compacts – all in one product, thanks to a technology that is completely new on today's market. Using a powered imbalance in the bucket, the attachment replaces a compactor or vibrator plate. Vibrations are eliminated via rubber damping elements. While the excavator is in operation, the compacting bucket is force-locked in place by a hydraulic cylinder, thus allowing the bucket to be operated as a standard excavation attachment.

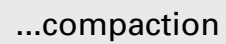
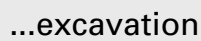


The UAM proline compactor bucket series*

- Combines a fully functional bucket with a top-notch compactor.
- Considerably greater capacity use of the excavator.
- No more cost intensive idle time and downtime.
- Capacity freed up thanks to the elimination of a manually operated vibrator plate.
- Reduces noise, vibrations and exhaust emissions.
- Reduces fuel consumption and carbon emissions.
- Obviates the need for a fully hydraulic quick connect system (but can be used if desired).
- Low purchase price.
- Outstanding efficiency.



Model	VDL 300 XS	VDL 400 XS
Excavators class (t)	1.6 - 2.6	1.6 - 2.6
Cutting width (mm)	300	400
Capacity (m³)	0.05	0.07
Weight (kg)	150	160
Power of impact (kg)	1,200	1,500
Frequency (Hz)	42	42
Oil consumption (liters per minute)	25	25
Working pressure (bar)	180	180

[illegible]

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