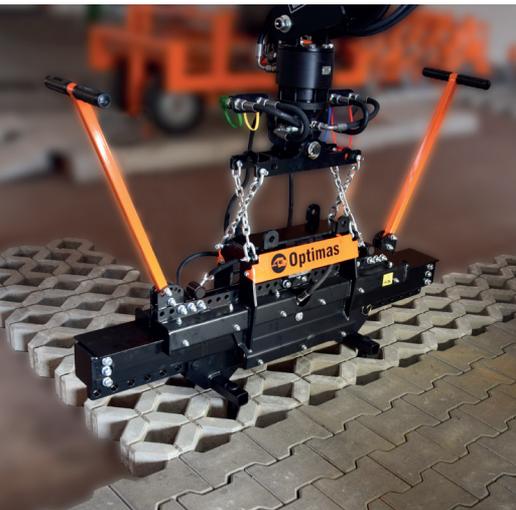


 Made in Germany

Optimas® Paving Specialist

Optimas technology



www.optimas.de

 **Optimas®**

KERB & GUTTER STONE INSTALLATION

WE MAKE HEAVY LIGHT Vacu-Pallet-Mobil

Our multi-talent makes heavy work easy and saves your health. Easy, fast and precise laying by using vacuum tube lifting technology.

- Pallet transport up to 1,600 kg (3.530 lbs)
- Precise laying of heavy concrete and natural stone elements
- Load capacity 140 kg (308 lbs) (with shortened boom up to 200 kg (441 lbs))
- Swivel range 360°
- Boom of 3.0 m (9,5 ft.) offers a working range of almost 6 meter (20 ft.)
- For kerbs, concrete & natural slabs, paving, gutter and wall stones etc.



OR WOULD YOU RATHER USE IT AS AN ATTACHMENT?

Vacu-Lift H/P/D

You already have a wheel loader or other carrier with pallet forks.

Vacu-Lift is an attachment for all loader types with pallet forks. Transport and installation of heavy elements with a 3,5 m (11,5 ft) long boom. Laying of up to 7 kerbs without moving of carrier machine is possible.

Different drive types:

- H = Hydraulic drive
- P = Petrol engine with electric starter
- D = Diesel engine with electric starter



MULTIFLEXIBLE AND POWERFUL!

Stone-Clamp MULTIFLEX

Stone-Clamp MULTIFLEX is very quickly and easily mounted to Optimas paver installation machine or, with the appropriate quick-change device, to various construction machines and is immediately ready to be used. Main purpose is installation of granite and concrete slabs as well as gutter stones, block steps and additional elements. Lifting capacity 400 kg (880 lbs).

By exchanging the clamping tools (optional), many other applications are possible, e.g. for placing:

- L-shaped elements
- natural stones
- grass paver
- palisades, and many more.



CONCRETE FOUNDATION PRECISELY DOSED

Finliner 0.5 m³/1.0 m³

Ideal attachment for wheel loaders to distribute material such as concrete, asphalt, bulk materials (sand, chippings, gravel, topsoil, salt, etc.) evenly via a conveyor belt.

- Distribution of concrete for bedding and haunching of kerbs
- Distribution of topsoil in a designated green strip
- Distribution of gravel/chippings in road shoulder maintenance
- Available bucket sizes: 0.5 m³/1.0 m³

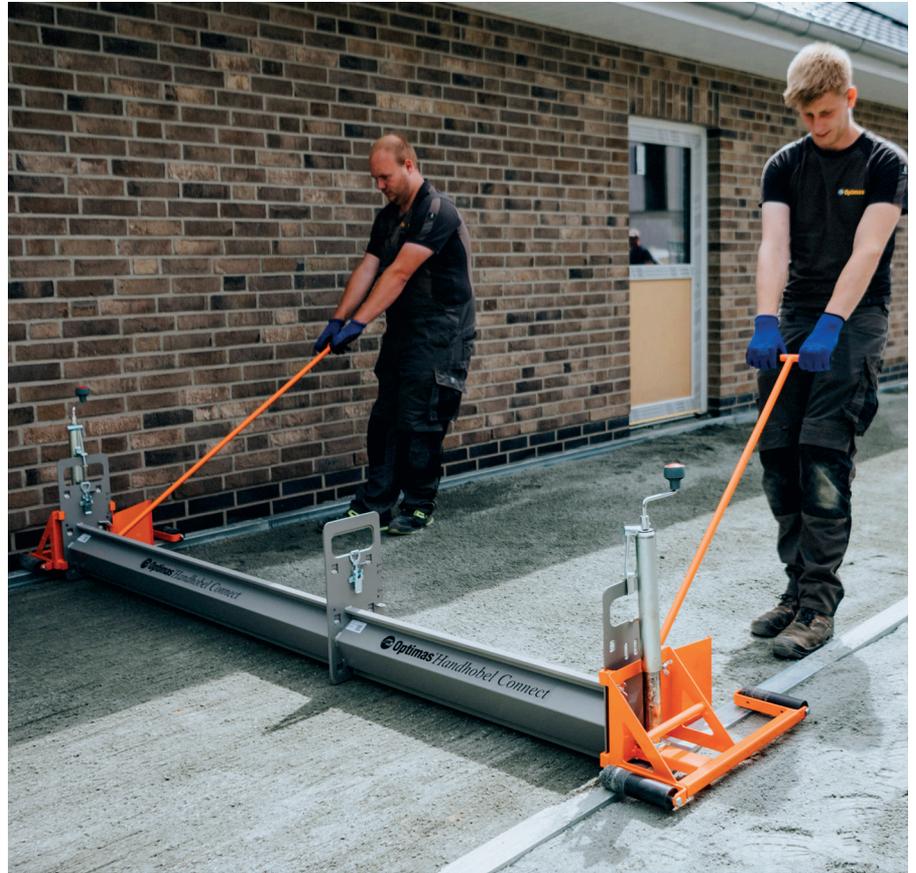


PRECISE LEVELLING - FOR SMALLER JOBS

Mini Screed "Connect"

The new plug and lock system enables much faster and more comfortable set-up of Mini Screed to designated screeding width. Max. screeding width up to 5,20 m possible.

- Working width: 0,20 - 5,20 m (0,66 - 17,00 ft)
- Screed rails: Galvanized incl. plug connector, available in 4 m (13,12 ft), 3 m (9,84 ft), 2 m (6,56 ft) and 1 m (3,28 ft) lengths
- Wheels: 1 pair with easy-running plastic wheels, variable side flaps (150 mm on each side) and infinitely variable height adjustment



QUICK & EASY FOR ANY JOB SIZE

Maxi - Screed

Maxi-Screed enables for more than 30 years now an installation of various materials such as sand, gravel, crushed stone, etc. as well as precise levelling of fine bedding up to a width of 7 meter (22 ft.). The stepless adjustable modular design is the innovative, low-wearing alternative to telescopic principle.

- Working width: up to 7 meter (22 ft.)
- Screed rails: Galvanized incl. plug connector, available in 4 m (13,12 ft), 3 m (9,84 ft), 2 m (6,56 ft) and 1 m (3,28 ft) lengths
- 1 pair wheels with adjustable side-flaps (300 mm on each side), pulling chains and infinitely variable height adjustment with a scale



SMART, LASER CONTROLLED LEVELLING

PlanMatic PRO

PlanMatic laser system as an attachment for wheel, skid steer, telescopic loaders, tractors, etc. is a fully-automatic Laser-Screed system for safe, quick and efficient levelling. Typical applications include construction of road, parking and industrial areas, levelling of equestrian, sports or tennis and hall floors. All system components (laser, cross slope sensor, ultrasonic) are combinable. The ultrasonic sensor automatically measures the final level, using as reference the ground, a cord or a kerb.

PM 1.4

- Base width: 1,40 m (4,6 ft.)
- Weight: 780 kg (1.720 lbs)
- Working range: 1,40 - 2,60 m (4,6 – 8,5 ft.)(incl. extensions)

PM 2.0

- Base width: 2,00 m (6,5 ft.)
- Weight: 880 kg (1.940 lbs)
- Working range: 2.00 - 3.20 m (6,6 – 10,5 ft.) (incl. extensions)



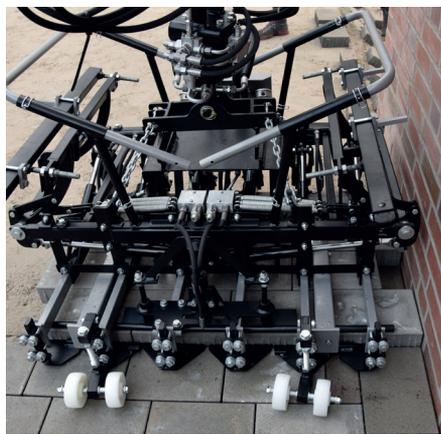
PAVER INSTALLATION

PAVERS PERFECTLY UNDER CONTROL

Paver-Clamp Multi6 M

Beside application of Multi6 M on Pacer P22 & PaveJet S19 device can be attached in addition to alternative construction machines as e.g. different loader and excavator types. Attached to an e.g. excavator, the operator can control 3 hydraulic functions (rotation of clamp, lateral alignment and gripping) separately with only 2 available hydraulic circuits. The distinguishing advantage is, that only 60 bar hydraulic pressure is required due to the intelligent 6-arm gripping technology. Means highest gripping safety, but at the same time gentlest treatment of the paving stones. This results into a pavement with a perfect joint pattern.

- Layer sizes: 0.6 m² (6 ft²) to 1.5 m² (16 ft²)
- Stone thickness: 40 mm to 240 mm
- Stone weight: up to 550 kg (1.212 lbs)
- Dead weight: 185 kg (408 lbs)



MACHINE LAYING

Optimas Pacer P22

The entry into professional paving business. For all those who install pavers mainly on small and medium-sized paving sites! The machine concentrates on the essentials. 2-axle turntable steering ensures driving on freshly laid paving stones without leaving any traces.

P22 offers an outstanding price/performance ratio. It is robust, easy to maintain and user-friendly, which is particularly appreciated by occasional users. In contrast to S19, lifting and lowering of boom is not performed by a foot pedal, but by the joystick. Therefore, it is easy to operate for any excavator operator.

- Height: 1.920 mm
- Length: 3.850 mm
- Width: 1.200 mm
- Lifting capacity: 500 kg (1.102 lbs)
- Options : Basic & Comfort



FAST AND EFFICIENT INSTALLATION Optimas PaveJet S19

PaveJet S19 scores with its optimized further development based on the knowledge gained over the last 4 decades.

S19 PaveJet installs pavers and slabs extremely fast and precise with a perfect joints result. Whether on small or large construction sites, due to the perfect combination of the 2-axis turntable steering and endless hydraulic rotator head S19 always meets highest performance.

No problem for the PaveJet S19:

Laying in underground garages with a minimum clearance of 2.0 m. or gripping pavers from a heights of 2.60 m.

- Height: 1.970 mm
- Length: 3.900 mm
- Width: 1.350 mm
- Lifting capacity: 700 kg (1.540 lbs)
- Options : Standard & Exclusiv



PERFECT PAVER JOINT

IDEAL PREPARATION

Spreader shovel

Spreader shovel is used to distribute various raw materials such as sand, grit or even topsoil.

The main areas of application are precise spreading of material before levelling- and of jointing material on freshly paved areas. In addition to travel speed and variable oil pressure, the spread rate per unit area can also be adjusted by presetting the flow rate directly on the spreading shovel.

- Spreading width: 2 meter (6,5 ft.) (reducible to 1 meter (3,28 ft.))
- Weight: 380 kg (837 lbs.) (without quick coupler plate)
- Drive: hydraulic
- Bucket capacity: 1 m³
- Hourly output: 2.000 m² and more



MASSAGE MATERIAL INTO THE JOINTS

Joint Filling devices

Only a completely filled joint transfers force from stone to stone, prevents the stones from displacement and keeps paver surface elastic.

Sweeping in the jointing material can be done dry or optionally with water supply (depending on the filling material, the best results are often achieved by addition of water). The enormous time savings and low manpower requirements guarantee an enormous increase in productivity as well as a much better work quality. No rework necessary.

We offer the right solution for any size of paved area.





Joint Filler Mini 3.0 manually guided

The compact design allows it to be used on smaller paved areas (patios, garden paths, driveways, etc.). It has its own drive and automatic chain tensioning - very user-friendly and low-maintenance. The guide handle is foldable, making the device easy to transport - even by car.

- Working width: 1,07 m (3,5 ft)
- Hourly output: 100 m² (1076 ft²) and more



Paver-Joint Filler for Optimas machines

Paver Joint Filling device is attached to any Optimas paver installation machine by means of plug-in bolts in two minutes without the need for tools. Due to the extreme maneuverability of the paver installation machine, the jointing material can be swept precisely into the paving joints even in curves and on edges.

- Working width: 1,70 m (5,9 ft)
- Hourly output: 200 – 300 m³ (2.100 – 3.300 ft²) and more



Paver-Joint Filler for wheel loader

The unit is simply picked up with the pallet fork, connect hydraulics, if necessary fill up water and start working. Basically, it can be swept in both dry and with a metered water supply.

- Working width: 2,20 m (7,2 ft)
- Hourly output: 400 – 600 m² (4.300 – 6.400 ft²) and more

LEAVE THE SITE WELL-SWEPT

Clean Sweeper

Clean sweeper is a powerful attachment for paver laying machine. Ideal for sweeping (cleaning) construction sites and yard areas. Simple, mechanical inclination of 20° to the right u. left. Optimas also offers the perfect solution for wheel loader: With a special attachment, the sweeper can also be mounted on wheel loader. The roller brush picks up fine dust as well as coarse dirt without any problems. If required, the swept-off material can be collected directly in a collection container (optional).

- Working width: 1,80 m (5.9 ft)
- Weight: 140 kg (308 lbs)
- Drive: hydraulic
- Optional: Collection container



EXACT MATERIAL DISTRIBUTION

SIDE-SHOOT BUCKET DOSES EXACTLY TO THE POINT

Finliner 1.4 m³

The bucket is emptied laterally via a conveyor belt, the amount of material is precisely metered by the speed of the conveyor belt and the loader. The material drops directly in front of the screed blade and is screeded to designated level. The screed blade is adjustable in height and inclination.

The mounted screed blade for 1.4 m³ bucket can be folded up easily for driving to the job site. This reduces overall width of the attachment and therefore it remains roadworthy.

- Capacity: fill to the edge 1,1 m³
- heaped 1,4 m³
- Filling width: 2,6 m (8,5 ft)
- Weight: 1.100 kg (2,425 lbs)
- Scope of application: Road shoulder maintenance



Finliner 1.4 – Road shoulder maintenance



OTHER AREAS OF APPLICATION



Finliner 0.5/1.0 – Self-loading



Finliner 0.5/1.0/1.4 – Loading directly from the truck



Finliner 0.5/1.0/1.4 – Fill grass pavers



Finliner 0.5/1.0/1.4 – Asphalt installation directly at height



Finliner 0.5/1.0 – Fill drainage trenches



Finliner 0.5/1.0 – Line construction: backfill of ditches



Finliner 0.5/1.0 – Flood protection: filling sand hoses



Finliner 0.5/1.0 – Distribution of road salt in salt containers

Optimas® Paving Specialist

Pioneering technology through visionary engineering since 1978.

Optimas worldwide



Come visit us:

Would you like to experience Optimas technology live?

Experience our visitor and training center in Ramsloh or our experience world at Coreum.

Here we will be happy to demonstrate Optimas equipment "live" in action or simply test it by yourself.



Optimas Visitor and Training Center Ramsloh



Model construction site at Coreum, Stockstadt a. R.

Represented by



Contact us!



Paving Specialist

Optimas Maschinenfabrik · H. Kleinemas GmbH
Industriestraße 12 · 26683 Saterland-Ramsloh

Tel.: +49-(0) 4498 / 92 42-0

Fax: +49-(0) 4498 / 92 42-42

e-mail: info@optimas.de · www.optimas.de

Visit us at    