

Optimas® Paving Specialist

Due to the consistent further development of innovative ideas, the use of state-of-the-art production technology and the holistic support of our customers, we are the world's No. 1 contact in our market segment!

Pioneering technology through visionary engineering since 1978.

Come visit us:

You would like to test Optimas Pacer P22?

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 operation!

Test Optimas equipment by yourself.



Optimas Visitor and Training Center Ramsloh



Model construction site at Coreum, Stockstadt a. R.

Represented by



Contact us!



Paving Specialist

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Visit us at    

Optimas® Paver Installation Machine

Pave smart.
Not hard.

Racer P22



The unique stands out!

The entry into the professional paving business. For all those who install pavers irregularly and mainly on small and medium-sized paving sites!



„The machine concentrates on the essentials. It is designed as a working machine and 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 all other paving machines, the lifting and lowering function is not performed by a foot pedal, but by the joystick. Therefore, it is easy to operate for any excavator operator, etc. There is no need for the operator to get used to it. The boom has a V-shape. This has the advantage that the operator always has a clear view of the laying edge. This allows him to work easily and precisely. The significant advantages compared to the previous model, such as the larger cab (300 mm wider), the higher lifting capacity (lifting load 500 kg) and the clearance height of 1.92 m (suitable for underground garages), ensure that the Pacer P22 is a tireless helper also on complex paving sites.“

Pacer P22 Basic with open cab



Hydraulic rotating head 300°



LED headlights
1 x front - 1 x rear



Steering column adjustable



Foot pedal adjustable



Joystick operation:
Clamp functions and
lifting/lowering



Hour counter



Rotating beacon



Clock counter



Driver seat with armrests



Storage space



2-axle turntable steering



- Horn
- Hydrostatic drive
- Powder coating

Pacer P22 Comfort



Fully-enclosed Cab, 2-door
Safety glass tinted



Heating, 2 stages blower



Radio incl. speakers
and antenna



Wiper, windshield

In addition, we offer optional:

- **Special painting**
Painting in all RAL shades in 1 and 2 colors possible. On request, we will be happy to supply your laying machine in your company color.
- **Diesel particulate filters** (complies with TRGS554)
- **Reverse signal**
- **Additional hydraulic connection** (for e.g. sweeper, vacuum, etc.)

Further advantages



Clear view of work area



Work in underground garages
- low driving height

Cabin & Technical features

The Pacer P22 offers optimal working conditions for installing paving stones quickly and precisely.

- a spacious cabin with tinted glass
- comfortable working place even over an 8-hour day
- maneuverable due to the proven, unique geometry
- highly stable despite permanent shifting of the center of gravity

Technology & Performance

„The Pacer P22 is a reliable employee that quickly becomes popular and pays for itself“

- **Fast alignment and picking** of the stone layer from the stone pack and fast and precise placing at the laying edge - thanks to the perfect combination of 2-axis turntable steering and the rotary motor of the Paver-Clamp
- **versatile applicable ...** work possible in indoor areas e.g. underground car park
- **excellent illumination** of the work area - by day and night
- **short-term amortization** - long service life of the Pacer P22
- **enormous effectiveness** for company owners - significant work reduction for the workers
- **The Pacer P22 is fast ...** with optimum job site organization, it installs paving stones in 30-second cycles
- Laying of more than 800 m² per day possible

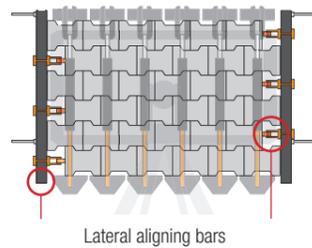
Mature engineering ensures highest quality.

The design and mode of operation of the Multi6 M ensures a unique working process and leads to an outstanding result.

Three steps to a perfectly-laid paver surface:

1. Alignment

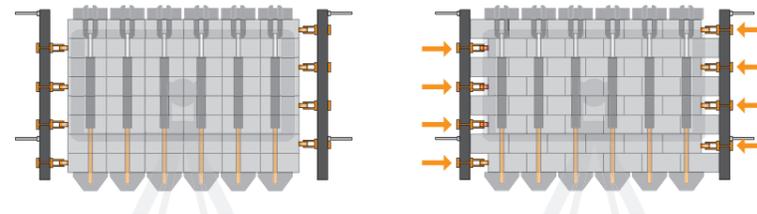
Pavers are in a ready-to-be-laid arrangement



Lateral aligning bars

Alignment

Layer will be aligned and the clamp will be centered.

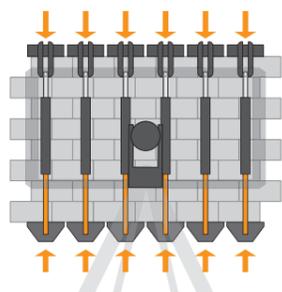


Alignment

Rectangular paving stones can be shifted in a running bond by screwing pressure-rolls on the aligning bars.

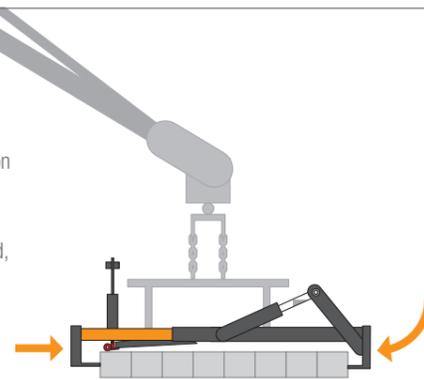
Shifting

2. Gripping

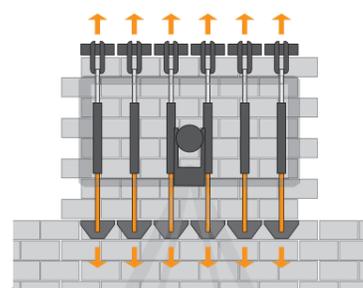


The 6 individual clamp arms are connected by spring steel strips to ensure the right pressure on each point of the layer.

Therefore, a low pressure of only **60 bar** is used, which is **gentle to the stones and the Paver-clamp**.

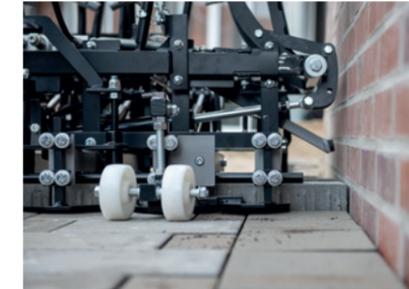
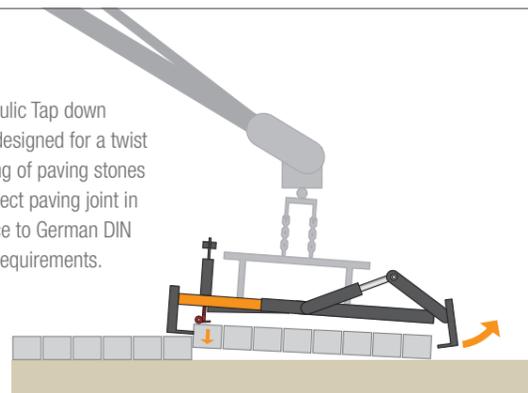


3. Placing pavers



Paving stones are placed in a gentle manner.

The Hydraulic Tap down device is designed for a twist free placing of paving stones and a perfect paving joint in accordance to German DIN standard requirements.



One Paver-Clamp for all your needs and applications

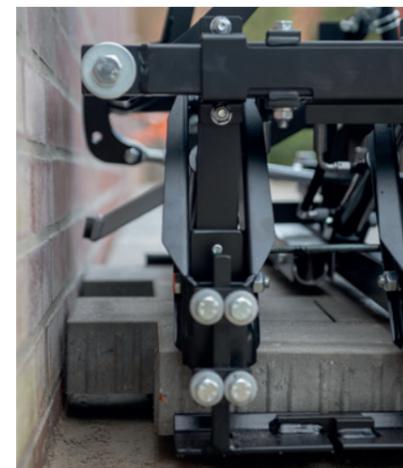
There are so many different concrete paver patterns available on the market. This raises the question as to whether a single Paver-Clamp is sufficient for the countless paver types (different dimensions and mould configurations)? Our answer is simple and clear: Yes! While other manufacturers often offer up to five or more different models for worldwide use, we have designed only one mature system to meet all your possible needs. This can be set to all paver formats and sizes, with only a very few actions and without special tools.



Reduce effort to a minimum ... and these are your advantages

- The Paver-Clamp can be connected to Optimas paver laying machine or to any other construction machine.
- for laying directly along walls
- Paver layer sizes of 0.6 m² (6,5 ft²) to 1.5 m² (16 ft²) can be laid without problem
- The Multi6 M clamps thin (40 mm) or thick (240 mm) pavers and paver layer weights up to 550 kg (1.200 lbs)
- Is able to clamp uneven stone layers.
- Is able to shift paving stones into a running bond pattern even if they have been produced with a shift-protection (big spacers).
- Paver layers in herring bone pattern with or without half stones can be clamped and laid without any problem as well
- Not only concrete paving stones, also clay bricks are clamped with low pressure and a high degree of safety.
- Through the smart 6-arm clamping technology only 60 bar hydraulic pressure is required. Paving stones are placed in a unique gentle manner.

Our successful experience shows: Optimas Paver-Clamps install some 100,000 m² (million ft²) of pavers without any trouble. This is confirmed by the solid processing and the advantages conferred by being "Made in Germany". We recommend making a price-performance comparison: Optimas cannot be beaten in terms of price-performance ratio.



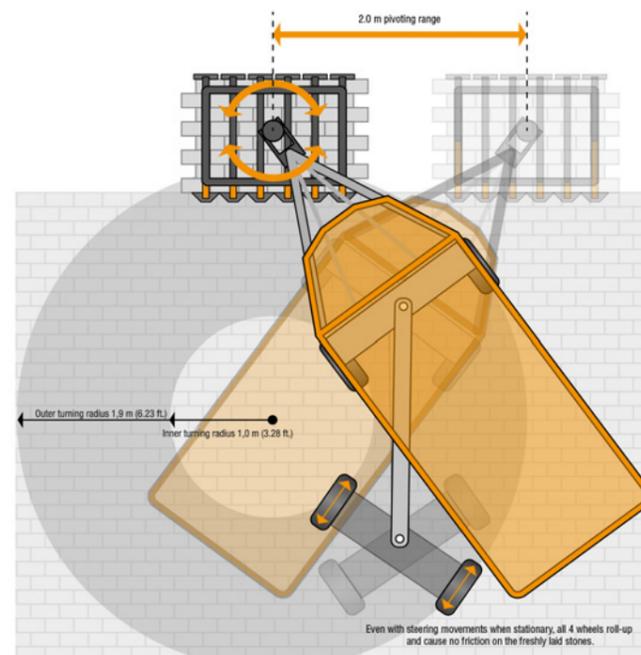
For many customers, the Pacer P22 will be the hero on the job site!

Our paver installation machine with 2-axle turntable steering

We have Joy, we have fun ... - this motto also applies to the Pacer P22, because the joystick fitted as standard allows functions such as gripping, lowering and lifting to be controlled by hand. This makes the experienced excavator operator happy, because operation is as simple and convenient as usual.

Even freshly laid pavers will not be displaced

2-axle turntable steering



All 4 wheels are equally involved in steering.

Advantages:

- Steering movements without lateral thrust forces on the freshly laid paved surface.
- High maneuverability due to small turning radius.
- Large working range of the Paver-Clamp only by steering movement.
- Can be used even on narrow, angled and tight construction sites.

Powerful, economical, silent

3-cylinder diesel engine

- without restriction in low emission zones usable (under 19 kW)

The Optimas Pacer P22 is available with a diesel particle filter (complies with TRGS554). This means that it is also possible to work in indoor areas, e.g. underground garages.



Technical data:*

Height: 1.920 mm | Width: 1.200 mm

Overall length: 3.400 mm without clamp | 3.850 mm with clamp

Weight:

Basic 1.360 kg (2.998 lbs) without clamp
1.575 kg (3.472 lbs) with clamp

Comfort: 1.510 kg (3.328 lbs) without clamp
1.725 kg (3.803 lbs) with clamp.

Other: diesel engine, 3 cylinders, water-cooled with electric ventilation, 14.8 kW (20.1 hp), soundproofed, oil cooler; hydrostatic drive with single pedal control, fully hydraulic all-wheel turntable steering, tank 35 l diesel, RAL 2004 powder-coated, CE - sign.

*Subject to technical modifications

Paver Joint Filling device



The Optimas Paver Joint Filling device for the laying machine is optimally suited for sweeping joint material into paving joints on medium and larger paving areas. Due to the extreme maneuverability, the joint material can be swept precisely into the pavement joints even in curves and on edges.

Technical data:*

Working width: 1.700 mm

Dimensions (mm): L = 1.730 | W = 1.780 | H = 500

Dead weight: 110 kg (242 lbs)

Drive: hydraulic

Broom: 24 broom inserts, divided into 3 broom crosses

Stone-Clamp MULTIFLEX



The stone-clamp Multiflex is suitable for setting concrete and granite curbstones, gutter stones, block steps and various slabs. By exchanging the clamp jaws (optional), there are many other possible applications, such as setting palisades, L-stones, natural stones, grass pavers, boulders, and much more.

Load capacity: 400 kg (882 lbs)

Adjustment range: 0 - 1400 mm (optionally up to 2000 mm)

Dead weight: 128 kg (282 lbs)

Clean Sweeper



The Clean Sweeper is easily and quickly mounted on the front axle. Simple mechanical tilting by 20° to the right and left. If required, the swept material can be collected at the same time in a collection container (optional). Ideal for sweeping (cleaning) construction sites and yard areas.

Working width: 1.800 mm

Dimensions (mm): L = 1.010 | W = 2.120 | H = 790

Dead weight: 140 kg (308 lbs)

Drive: hydraulic

Dirt collection container

Weed Brush



With the hydraulically driven weed brush, you can remove any kind of weeds absolutely effortlessly and without chemicals. As an attachment for the Optimas paver installation machine, the weed brush represents an optimal cleaning system for removing tough dirt, even in edge areas.

Dimensions (mm): W = 1600 | H = 1000

Dead weight: 250 kg (551 lbs) (incl. mounting frame)

Disc broom ø 750 mm; 62 flat wire bundles

Mech. side shift 450 mm

Drive: hydraulic

Vacuum unit



With the vacuum device, concrete and natural stone elements can be picked up from the package and placed directly at the desired position by the driver himself. By mounting different suction pads it can be used for installing various elements like e.g. slabs, curbs etc.

Dimensions (mm): L = 540 | W = 630 | H = 550

Dead weight: 70 kg (154 lbs)

Load capacity: max. 430 kg (948 lbs) - depending on the suction pad.