

Additional Information:

INTERNET
news online
www.probst-gmbh.de

CD available on request!
Lots of examples for
different applications



... versatile use – also for laying of slabs and kerb stones



Slab laying with vacuum technology

▶ In combination with the hydraulic vacuum laying unit HVE, the VM becomes a perfect slab laying machine. Even very large slabs with rough or porous surface are handled carefully and securely by the HVE.



Easy kerb stone laying

▶ With the variably adjustable hydraulic kerb stone clamp heavy kerb stones (granite and concrete) can be transported and installed safely and efficiently. Fully automatic gripping width 460 - 1,460 mm.



Easy handling

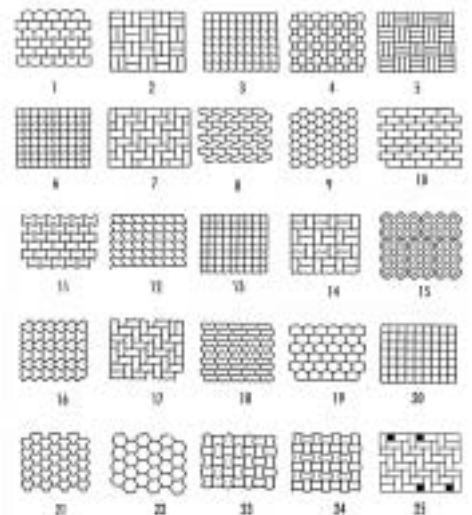
▶ All clamping movements are controlled by the operator of the machine from the seat (without the help of an additional worker).

Short setup time

▶ Without tools, only by inserted bolts the HVZ-uni can be adjusted to different kinds of stones and laying patterns.

Exemplary:

The shown stone formations 1-20 are suitable for the mechanical installation. But also other formations can be laid.



The stone formations 21-24 are suitable for mechanical installation by the special adapter. Other formations: please indicate!

Sand Sweeping Transport



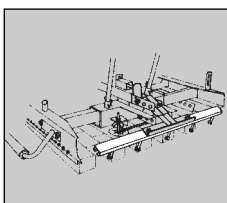
▶ Sandfilling of joints with the ideally constructed sweeping broom EB – Adjustable working width: 2,40 m or 1,20 m.



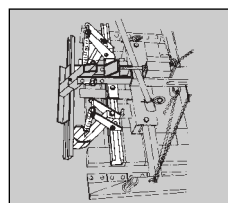
▶ With the attachment device Paver Cat PC-VM-uni paving blocks can be gripped and transported to the laying face.

Accessories of high efficiency

A special adapter for the HVZ-uni is used when formations are not suitable for mechanical installation. The positioning adapter PA shifts the pavers into the running bond.



The herring-bone adapter makes the inserting of lateral half stones (for the secure gripping of all pavers in the cluster) unnecessary with stone formations in herring-bone pattern.



strong gripping force

multi functional

Compatibility: Everything suits!

tough

quick amortization

Checking exactly, is worthwhile!



► **Costs, production capacity, dates – no headache with the calculation!**
The VM of Probst is cost effective after installing a volume of 5,000 square meter per year.

► The Probst paver installation machine VM 203 and VM 204 »ROBOTEC« has gained a high reputation, worldwide. On large building sites like the new airport in Hong Kong, in the port of Tampa (Florida) or the strandpromenade in Mallorca, everywhere!, the VM fleet of Probst is used. Also on small sites, as on the mountain Pilatus in Switzerland, a VM 203 installed pavers accurately. Tight tolerances for the joints were kept, as was the short completion time.

Everything which has been well-proven in hard permanent use on large sites – partially under extreme conditions – has also been proved for smaller and medium sites, such as reliability, mobility, speed and easy handling.

Probst paver laying machines are again and again the reason for business successes of paver layers in the home country and abroad.



Please ask for our Reference List!

Content customers are our best references

If you want to know more about Probst laying machines or you are interested in a test run, please don't hesitate to call us.



PAVER INSTALLATION MACHINE VM 204 ›ROBOTEC‹ and VM 203 **Top-Technology for progressive paver installation**

Cost-saving increase in productivity and high quality work, these are qualifications you can claim with the no compromise laying machines.

Besides you can expect more performance, because for over four decades Probst developed rational and facilitating devices particularly for paver and slab layers. The VM 203/204 shows a comprehensive know-how in versatile functions and compatibility.

The easy handling and utmost reliability are important criteria of the VM, which are appreciated by installation professionals on construction sites all over the world.

▶ The patented VM 204 ROBOTEC is the Probst "Top of the range" model, in which satisfactory technique, top-comfort, innovative electronics and modern cabin-design are all incorporated.



▶ Open sided cabin, is the feature of the classic laying machine VM 203. It has proved its performance strength and mobility on building sites in many countries and climate zones around the world. All advantages of the VM 203 are offered also in the VM 204 ROBOTEC. Both types give convincing first-class working results.



Mobility sets forces free

Two Strong Fellows

The 21st Century Design of the VM 204 ›ROBOTEC‹

With functional cabin-design and most modern control engineering the VM 204 ›ROBOTEC‹ creates a new evaluation scale.

Ergonomical seat

► The control desk is fixed firmly to the comfortable height-adjustable driver's seat. So drivers with different body size have always the ergonomically correct, relaxed working position.

Installation work – made easy

► The operator controls the durable electronic SPS control system with a futuristic joystick. All movements of the installation clamp can be preselected with the Joystick for different sequences. Switching to manual operation is possible at any time.



High working comfort

First Class High Technology

Modern, sturdy electronic SPS-control system can select the following processes:

Manual operation

All movements of the installation clamp can be controlled via joystick and pedals.

Semi-Automatic

All movements of the pushing-off device are controlled automatically.

Automatic

All movements of the clamp are controlled in their correct sequence. With the joystick the operator can control any individual movement of the clamp at any time.

Shifting automatic

Changed working process e.g. for shifting rectangular pavers from cross joint bond into stretcher bond.



Easy to operate

Short training period

Safety without ifs and buts

► The scratch-resistant safety glass with all-round visibility enables the operator to have an excellent view to the laying edge in front of him as well as behind him. After all an installation machine spends about a 1/3 of its working time travelling backwards!

Always in top form

► Whether on an uneven building site, or when turning sharply – the optimal chassis guarantees the VM just as good stability for the 204 ›ROBOTEC‹ as the VM 203.

► Favourable on small and awkward building sites: In the standing position the installation clamp can be swivelled from the right to the left within 1,6 m.

Day and night in operation.

Bright working lights (at front and rear) make exact working possible also in darkness or in underground parkings.

The driver does the work alone

Without additional worker

EFFICIENT

and the worldwide proven VM 203 ... equipped with



High working speed

Same engine package
for both types VM 204 /VM 203

3-cylinder-Diesel-engine	The economical Kubota diesel engine operates noiselessly and has high capacity reserves for the VM 203/VM 204. Maximum speed 20 km/h Speed: hydrostatically regulated. Performance: 18,7kW/25 hp. Tank for 20 litres of Diesel.
design	total height: 1.980 mm total width: 1.220 mm length : 3.610 mm (without clamp) weight: (incl. clamp): 1.340 kg ground clearance: 180 mm
turning radius	front inside wheel: 700 mm front outside wheel: 1.900 mm over all: 2.450 mm
lifting off height	max. 1.600 mm
carrying capacity	max. weight of stone formation: 300 kg



Speed of a weasel and a small turning circle.

► High time saving by fast maneuvering around corners, obstacles and with narrow building sites. The outside edges of the machines are adapted to steering geometry, so when there are obstacles, no vehicle parts are protruding.

Quick paver installation also for underground car parks.

► Due to the low overall height, the VM operates exactly and quickly even on sites with low head room.

VM 204 ›ROBOTEC‹ and VM 203 - same efficiency but fine differences

► Both Probst installation machines have identical working characteristics: rapid manoeuvrability and absolute stability, double-articulated steering, engine performance, and hydraulic installation clamp HVZ with pushing-off device ADV.

► The VM 203 is an everlasting machine for the business class. Its clamps are controlled through a cross-lever valve. The VM 204 ›ROBOTEC‹ enables an absolutely eased operation, since the automatic takes over the controlling of the moving sequences. Furthermore, this model is convincing by its modern, comfortable all-weather operator's cabin, heating, radio and firstclass configuration.

Both types convince on large and small building sites as well!



High lifting and safe standing position

Also able to lift a layer of pavers from one pack stacked on top of another.

Laying machine on velvet paws

The chassis of the VM co-ordinated accurately with highest laying quality has separate track width for each axle. Steering movements do not cause tracks or paver shifting.

Wide-diameter tyres give best stability even in uneven areas.

Double articulated steering

enormous manoeuvrability

Large security

sturdy chassis

Convincing technology

the innovative installation clamp HVZ-uni

Hydraulic hoses for two hydraulic circuits to control separately the main and side clamping.

NEW * Adjustment of clamp even more comfortable *

Hydraulic rotator for an exact adjustment of the installation clamp from the driver's seat. No additional person needed.

Elastic chain-suspension for wear minimization and for easier positioning of the clamp.

Adjustment of the gripping depth to allow gripping of paverthickness up to maximum 160 mm.

Adjustment of the clamp more comfortable. Handles to guide the clamp. In tight spaces the handles can be easily taken off without screws.

Large, height-adjustable rollers to set the clamp onto the already laid pavers. Free swivelling rollers for easy positioning of the clamp.

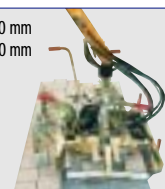
Main and side gripping: simple and quick adjustment (to the stone pattern to be installed) by the help of scales.

Main and side clamps are separately controllable through a cross lever valve.

Setting of the main and side grippers easily adjustable, using scale pointers. The side clamping arms swing up completely in order to allow laying close to wall sideways without any gap.

Still available within our product range: Type HVZ

Main gripping width : 570 - 1.180 mm
 Side gripping width : 990 - 1.300 mm
 Gripping depth 110 mm
 Carrying capacity 400 kg
 Dead weight 190 kg
 HVZ - Basic version
 Additional information refer to catalog page 1.3



Individually cushioned steel teeth as gripping elements, guarantee large paver clusters a strong and safe gripping of all individual stones of a layer.

Main gripping width universally adjustable for securely gripping of the stone-rows.

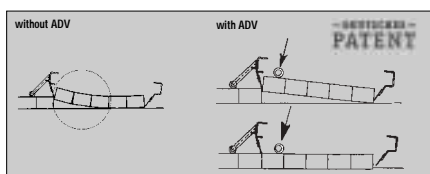
Easy jointless positioning of the stones by the automatic ADV to the already laid stones.

Planned in detail Universally applicable also for excavators, loaders...

▶ The universal installation clamp HVZ-uni fits optimally to the laying machines VM 204 ›ROBOTEC‹ and VM 203. However it can also be combined with other load-bearing devices (hydraulic excavator, wheel-loader, backhoe, forklifter etc..)

So a paver surface of excellent quality is achieved with all stone-configurations used on the market.

Innovative pushing off technology for unsurpassable laying quality



▶ The numerous different laying configurations and kinds of stones require a high flexibility of the laying clamp.

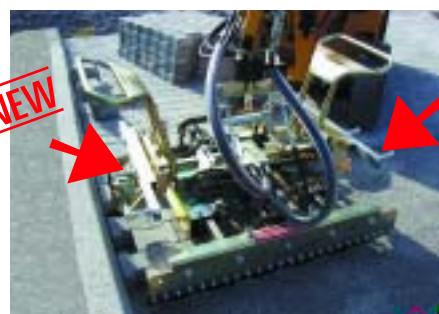
The HVZ-uni fulfills highest requirements



New ! Excavator attachment clamp HVZ-uni ROBOGRIP with computer control system.



Ask for leaflet !



Main clamping width: 600 - 1.240 mm
Side clamping width: 990 - 1.480 mm
Inside height: 85 mm Carrying capacity: 300kg

▶ The Probst laying clamps are equipped with the special automatic pushing off device called ADV. This feature eliminates cocking of the pavers when the clamp is opened, no additional labor for readjustment is necessary any more.

During the laying process, the individual pavers creep apart by approx. 0,5 to 1 mm by settling down to the bedding sand. This joint distance must not be eliminated by hammering! In conjunction with 2,5 mm thick spacer bars standards regarding joint width of 3 - 5 mm are met. The result is: Saving of time and labor and also fascinating regular joints.

Quick setting

for many types of stone

accurate joint pattern

no hammering to repositon

Working Quality