



PAVER LAYING SYSTEMS

INSTALLATION MACHINE VM 204 ›ROBOTEC‹

Get a grip to the future

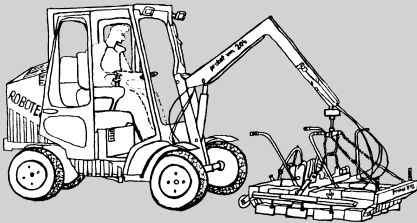
- ▶ Rapid cycle times due to innovative, reliable technology.
- ▶ Manoeuvrable • Compact • User friendly • Unlimited all-round-vision • Powerful. Ideal also for small sites!
- ▶ Automatic pushing off device ADV for an exact and gapfree installation. No hammering – reduced labour cost.
- ▶ Numerous attachments, also to lay slabs, kerbs, spread sand.
- ▶ Equipped to operate with vacuum techniques, long termed market leadership, guaranteed site proven.
- ▶ Modern design
- ▶ Big, comfortable large scale cabin, as standard equipped with heating, radio, working lights.



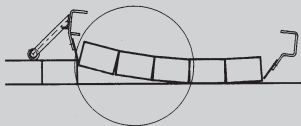
- ▶ Modern, sturdy electronic SPS-control system with joystick operation for manual/semi-automatic/fully-automatic and shifting automatic control of all clamp movements.
- ▶ Easy shifting of pavers into running bond.
- ▶ Hydraulic rotator for flexible positioning of the clamp, additional labour saving.



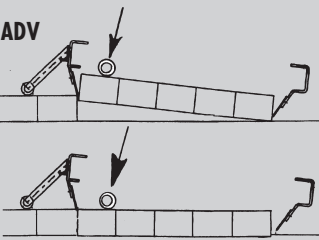
VM 204



without ADV



with ADV



Installation Machine VM 204 >ROBOTEC<

Future-orientated technology – modern design. Universally suitable for laying all common paving stone configurations. Consequent modernization / improvement of the well-established installation machine VM 203.

New features:

- ▶ Big, large-scale driver's cabin with absolutely scratch-resistant safety glass, excellent all-round view and high comfort. Side walls can be removed, doors can be opened.
- ▶ Excellent view to the laying edge.
- ▶ Cabin heating for an adequate working climate.
- ▶ A control panel with futuristic joystick which is fixed firmly to the driver's seat always enables the ergonomical positioning of drivers of different size.
- ▶ Modern, sturdy electronic SPS-control system with switch to select the following processes:

Manual operation:

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

Semi automatic:

Additionally all movements of the pushing-off device are controlled automatically.

Automatic:

All movements of the clamp are controlled in their correct sequence via electronic control system. By the joystick any distinct movement can be controlled at any time.

Shifting automatic:

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

- ▶ Counter for cycles.
- ▶ Hydraulic rotator between clamp and boom for an exact adjustment of the installation clamp from the driver's seat.
- ▶ Stereo-radio with tape recorder.
- ▶ Working lights at front and rear.
- ▶ Integrated, i. e. absolutely damage resistant wide angle rear view mirror, no "dead angle"!
- ▶ Optimised hydraulic system for a rapid, energy saving working process.

Well proven components haven't changed:

- ▶ Hydraulic Installation Clamp HVZ (see description page 1.3), automatic pushing-off device ADV for an exact and gapless installation – a saving of time without any further adjustments.
- ▶ Rapid manoeuvrability and absolute stability are achieved by a double-articulated steering and a favourable positioning of the centre of gravity.
- ▶ Unlimited all-round-view – also backwards, for installation machines drive 30% backwards.
- ▶ 3-cylinder-Kubota-Diesel-motor, 18,6 kW/25 hp. – for high capacity reserves. Advantage: it always enables an operation at a medium speed level (low noise level)!
- ▶ Emission-reduced according to ECE 24 and CARB 1 standards.
- ▶ Sensitive hydrostatic front wheel drive.
- ▶ Extra wide tyres and different track widths of the front and rear axle ensure a low degree of stress on the uncompacted pavers as well as a smooth drive.
- ▶ **Wide diameter tyres** and high ground clearance, therefore suitable also in rough terrain.
- ▶ **Wide pivoting range** of approximately 1,600 mm from a standing position is achieved only by a steering movement – and without shifting of the pavement.
- ▶ **Double articulated steering** enables manoeuvrability in the tightest spaces. All outer edges are adapted to the steering geometry which means that when there are obstacles there are **no protruding vehicle parts**.
- ▶ High lifting height enables the handling of double stacked packs up to a height of 1,600 mm, thus saving a considerable amount of driving-time.
- ▶ Narrow swing means that, even at a great lifting height, the positional stability of the machine is not affected. This combined with a low overall height, is **important when operating in underground car parks**.
- ▶ Wide-diameter tyres and elastic clamp suspension for a smooth driving effect.

Technical Data:

3-cylinder-Diesel-engine, 18,6 kW/25 hp., speed regulation via hydrostatic drive, max. speed approximately 20 km/h, total height 1,980 mm (78"), total width 1,220 mm (48"), ground clearance 180 mm (7"), total weight (without clamp) 1,140 kg (2,508 lbs), total weight (with clamp) 1,320 kg (2,904 lbs), maximum weight of stone formation 320 kg (700 lbs), lifting off height max. 1,600 mm (63"), turning radius 700 mm (27"), front outside wheel 1,900 mm (7 1/2"), overall 2,450 mm (9 1/2").

Main gripping width of the hydraulic clamp HVZ:
580 – 1,150 mm (22 3/4 – 45")

Side gripping width of the hydraulic clamp HVZ:
1,000 – 1,300 mm (40 – 53").

Type	Description	Carrying Capacity (kg) (lbs)	Dead Weight (kg) (lbs)	Order Number
VM 204	Complete with Hydraulic Clamp HVZ and Pushing Off Device ADV	400 kg (880)	1,320 kg (2,900)	5150.0010

Accessories

VZ-H Kerb Clamp (see type list, page 1.2)	5160.0011
VZ-HS-50/150 Hydraulic Kerb Stone Laying Clamp (see type list, page 1.2)	5160.0014
PC-VM Paver Cat (see type list, page 1.2)	4160.0005
EB 240 Sweeping Broom (see type list, page 1.2)	5160.0012
HVE Hydraulic Vacuum Laying Unit on request (for the attachment to the VM 204, see type list, page 1.2)	5160.0013
VPM Vakuum Power Max (see type list, page 2.2)	5241.0002/4