



Mechanical Paver Installation, easy job with paver laying machines VM 401 / 204 ROBOTEC / VM 203

Probst paver installation machines offer simple handling, user-friendly operation, efficiency and first-class performance.

To meet customers' most diverse needs Probst features a forceful fleet of paver installation machines including the established VM 204 ROBOTEC and VM 203.

The VM 401 combines a great deal of innovative technology. The new design provides modern conveniences with many user-friendly features. The modular design offers customized configurations and upgrades.

Even though the VM 401 is an entirely new development this machine benefits from Probst's know-how, technological advancements and decades of professional experience.

Offering a compact design and double articulated steering, the VM paver installation machines provide excellent maneuverability in confined spaces and job sites. Operators appreciate the high visibility to both the laying edge and what is behind them, ensuring safety and quality work. A low center of gravity guarantees an optimal static stability at any operating position.

The chassis of the laying machine has got a double center steering. Even driving narrow curves on freshly laid paver surface, no shifting is done to the pavers. The wheels do not twist the pavers, but roll on them. Different track widths of the front and rear axle ensure low degree of stress on uncompacted pavers.

Laying clamp HVZ uni with automatic pushing-off device guaranty for exact joint widths, to comply with the standards.

The Paver Installation Machines of Probst are mostly equipped with a hydraulic installation clamp with a pushing off device ADV. Layer after layer is pushed into the bedding sand. The pavers cannot cock during the installation process, but they are laid exactly. The manual repositioning of the pavers by hammering into a correct pattern is not required anymore. Some paver installers which have worked with laying clamps without ADV technology, tend to do the hammering even when working with the ADV technology now. This is unnecessary, costs

a lot of labour, time and money and can even be harmful. Harmful because hammering means pressed joints which are not complying with the standards. The standards ask for joint widths between 3 and 5 mm. Concrete paving blocks are manufactured with the so called spacer bars all around the sides of the pavers having a thickness of 2.7 up to 3 mm.

The laying clamp compresses the layer from 4 sides so all pavers are pressed together, the spacer bars are touching the next block. Once the clamp is opened and the ADV presses the blocks down into the laying course, the pavers tend to creep apart a little bit. The joints are widened by this to about 0.4 to 1.0 mm in addition to the thickness of the spacer bar.

If the joints are driven together by unnecessary hammering, the spacer bars once more touch the next paver, the joint will be too narrow in this case and the specifications are not met. The stability of the pavement cannot be assured in this case.

Highest gripping security

Independent, spring loaded steel grippers are ensuring a firm grip on single blocks when carrying large layers of paving blocks.

The powerful side-clamping arms are able to easily shift for example rectangular pavers into the running bond by using the shifting adapter sets PA.

When laying layers in herring bone, the herring bone adapter FA can be used to avoid the necessity of half blocks on the side of the unit.

Probst laying machines, universal and future orientated

The VM 203 and VM 204 ROBOTEC are universal machines for a lot of attachments to carry out different works: Kerb laying clamps, sweeping and sand watering systems, vacuum laying systems for different concrete and natural stone slabs as well as a lot of special tools as shown in this catalogue.

Probst develops its products according to the construction set principal. This ensures that future new developments will fit in the already existing machinery.

