



VACUUM SLAB LAYING MACHINE JUMBOMOBIL JM

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### The efficient working method in the new millennium!

Every road-construction and landscaping-enterprise who wants to gain a margin under the difficult economic conditions must have a realistic look at the costs. With its efficient way of operating the vacuum slab laying machine Jumbomobil JM you save both, costs and human energy. The innovative technique makes it possible that one man can lift heaviest slabs (up to 200 kg) light as a feather with the JM. Without expenditure of energy he can transport weightlessly with the swivel arm and position and shift accurately within shortest time easily **300 sqm per day!**

▶ The application possibilities are enormously versatile. The strong vacuum power does not only grip concrete surfaces but also rough natural stone- or washing-exposed aggregate concrete surfaces without any difficulties. Worldwide slab-layers are enthusiastic about the easy handling



even with different formats and shapes.

▶ Without any problem already installed slabs can be lifted and installed again. Large saving of time when working with natural stone slabs as well as with restoration work e.g. at historical places.

▶ Health-careful way of operation!





## Vacuum Slab Laying Machine Jumbomobil JM

For the easy, exact and economical laying of slabs up to 200 kg.

- ▶ Suitable for concrete slabs, natural stones, slabs with exposed aggregates, large pavers, petrol station pavers, environmental pavers, gutters and much more.
- ▶ Extremely easy and light laying as the lifting and setting down are done by a vacuum hose lifter.
- ▶ Give your workers a better way of working!

- ▶ Exact positioning of the slabs by means of a smooth-running pillar swing crane with very low dead weight.
- ▶ Slabs which have already been laid can easily be lifted again.
- ▶ Quiet vacuum generation using an electrical motor, or alternatively a fuel engine.
- ▶ Can easily lay up to 300 square metres a day.



### Technical Data and Components:

#### ▶ Chassis:

Rugged undercarriage (L x B = 1,300 mm x 1,300 mm), 1 steering axle, 1 axle with hand brake, 4 pneumatic heavy duty wheels, compartments for counter weights, foldable supports.

#### ▶ Swing Crane:

Telescopic in height via a hand operated winch (alternatively electrical driven), crane jib 4 m in length and able to turn 350° with 4 different stoppoint points. Foldable down to 2 m in length and 2 m in height for easy transportation.

#### ▶ Vacuum turbine unit VGE electrically driven (e):

Powerful vacuum turbine with 3-phase electrical motor, maximum underpressure 520 mbar, incl. motor protection switch, plug CEKON 16 A with integrated phase-switch, silencer, air-filter with pre-separator. Type VGE J 30 RG (details see page 2.14)

#### Petrol driven (b):

Powerful vacuum turbine with integrated petrol engine, silencer, service hourmeter, air-filter with pre-separator. Type VGE 3 SB including conversion kit (details see page 2.14)

On request also available with electrical start.

#### ▶ Vacuum Hose Lifter

Supply hose, lifting unit, operating valve unit, hose-cylinder extension.

Lifting height -250 mm (below ground level) to +1250 mm.

#### ▶ Suction Gripper

For concrete, natural stone and exposed aggregates. Slabs, with foamed rubber seal.

Special shaped gripper and multiple grippers available on request!

All components are exchangeable via quick fasteners.



| Type               | Operating Radius mm (in) | Electrical Data  | Carrying Capacity kg (lbs) | Dead Weight kg (lbs) | Order-Number      |
|--------------------|--------------------------|------------------|----------------------------|----------------------|-------------------|
| JM 150 e           | 4.000 (155)              | 3~230/400 V 50Hz | 150* (330)                 | 720 (1,590)          | S-5200.0008       |
| JM 200 e           | 3.000 (120)              | 3~230/400 V 50Hz | 200* (440)                 | 730 (1,610)**        | S-5200.0009       |
| JM 150 b           | 4.000 (155)              |                  | 150* (330)                 | 720 (1,590)          | S-5200.0005       |
| JM 200 b           | 3.000 (120)              |                  | 200* (440)                 | 730 (1,610)**        | S-5200.0007       |
| <b>USA Voltage</b> |                          |                  |                            |                      | <b>on request</b> |

As the chassis, crane and the vacuum turbine are designed for a maximum carrying capacity of 200 kg, a lifting unit with a different carrying capacity can be added at any time (see page 2.12).

\* Value at 420 mbar under-pressure

\*\* When working with a working capacity of 200 kg, the operating radius of the boom will be limited to 3,000 mm. Furthermore the chassis must be loaded with counterweights (supplied by the customer).



You can obtain further information and leaflets from your local Probst dealer or directly from us.