

Probst gets things moving –  
innovative, efficient and ergonomic



# Tile Handling

*... even for natural stone and concrete slabs*



... The new, efficient way to lay tiles as well as natural stone and concrete slabs



Robin Fink,  
Fliesen Fink, Steinheim/Murr:

"First and foremost, the FLIEGUAN-HANDY FXH-25 saves the backs of my employees, as they no longer have to bend so far forward to lay tiles or slabs. Inserting the last tile is also made significantly easier."



... Using vacuum power e.g. from your industrial vacuum cleaner

## Advantages:

- Lay large, heavy tiles and natural stone slabs quickly and in a way that is kind to your back
- No side gripping, so less risk of edge damage
- Easy removal and insertion of tiles as well as natural stone and concrete slabs e.g. to correct adhesive application

## Lay large tiles and natural stone slabs in a way that is kind to your back

### FLIEGUAN-HANDY<sup>®</sup> FXH-25 Vacuum Hand Laying Device – Good at arranging tiles

The new vacuum hand laying device for tilers and landscape contractors allows fast lifting, moving and laying of large tiles, natural stones and slabs with one hand, in a way that is easy on the back.

- Suction plate in 1 kg light aluminium
- Can be connected to standard industrial vacuum cleaners\* using the vacuum hose and connecting cone supplied, or directly to the SPEEDY or QUICKJET with the vacuum hose
- The FLIEGUAN-HANDY is placed on the tile or slab and pressed on very briefly with no effort, and it automatically sucks on by itself in a matter of seconds. The tile can be lifted from the stack immediately and brought to the placement location
- With a slight finger movement, a spring-loaded vacuum valve is opened to deposit the tile. Simply reclose it to pick up the slab again
- If the FXH-25 is simply placed on a tile, a slab or the ground without being pressed on, then it is not sucked on; this protects the vacuum cleaner and saves energy!
- Considerably easier laying, as there is no need to grip on the side, especially for the last slab



Includes adapter for standard industrial vacuum cleaner\*



\* wet/dry vacuum cleaner with bypass valve for permanent cooling

**NEW!**



FXH-25

Type	Suction Plate dimension mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight Suction plate kg (lbs)	Order-Number
FXH-25	approx. 280 x 190 (11 x 7½")	25 (55)	0.85 (2)	5850.0001
FFS	Radio remote control set comprising transmitter and socket to switch the industrial vacuum cleaner on and off. Transmitter can be attached with Velcro. Plug type F, 230 V. Not suitable for QUICKJET and SPEEDY.			4850.0016

- Wall tiles are much easier to lay with one hand
- Easy removal and insertion of the tile, e.g. to correct adhesive application
- Less risk of edge damage, as laying is more precise and with a better view
- Suitable for right and left-handed use

**Scope of delivery:** 1 x single-handed suction plate with handle, 1 x feed hose of DN 32 (internal diameter 32 mm) 5 m long, 2 x connecting cone for different commercially standard industrial vacuum cleaners, 1 x expander tensioner, 1.5 m long





# Multifunctional lightweight – for laying by hand or on wheels

## FLIEGUAN-ERGO-STICK FXES-25 Tile and Slab Laying Device – kind to your back

- Light and easy to handle, as it is made of 6 kg light aluminium
- Can be connected to standard industrial vacuum cleaners\* using the vacuum hose and connecting cone supplied, or directly to the SPEEDY or QUICKJET with the vacuum hose
- One easy finger movement opens a vacuum valve to release the tile/slab
- The distance from wheel axle to suction plate can be adjusted depending on the slab size. Max. tile size approx. 1,000 x 1,000 mm
- With wheel set as standard. This can be converted quickly and easily from slab to tile laying, so that the tile can be positioned with a slight forward tilt when moved
- Smooth plastic wheels with rubber treads
- The wheel set can be removed completely in a few steps to lay light tiles or slabs
- Working height individually adjustable via quick-release
- Handle can be set to the optimal, ergonomic working position using 2 wing nuts.



FXES-25 without wheelset



FXES-25

Type	Description	Suction Plate dimension mm (in)	Working Load Limit** WLL kg (lbs)	Dead Weight kg (lbs)	Order-Number
FXES-25	incl. Suction plate 25 kg	approx. 270 x 270 (11 x 11")	25 (55)	6 (13)	5850.0005
FFS	Radio remote control set comprising transmitter and socket to switch the industrial vacuum cleaner on and off. Transmitter can be attached with Velcro. Plug type F, 230 V. Not suitable for QUICKJET and SPEEDY.				4850.0016

**Scope of delivery for FXES-25:** 1 x feed hose of DN 32 (internal diameter 32 mm) 5 m long, 2 x connecting cone for different commercially standard industrial vacuum cleaners, 1 x expander tensioner, 1,5 m long



FXES-25 when laying concrete slabs outdoors



Includes adapter for standard industrial vacuum cleaner

\* wet/dry vacuum cleaner with bypass valve for permanent cooling. \*\* Value at 150 mbar low pressure.

## Variable: 1-man/2-man Universal: Also for highly porous and very uneven slabs

### MICROJUMBO-JET MJ-J Vacuum Slab Layer – for quick and easy laying

Efficient and accurate installation of small-sized and lightweight slabs – this is the optimum application enhancement for the vacuum devices **QUICKJET QJ-600-E**, **POWERJET PJ-1650** and **SPEEDY VS-140/200**.

- Ideal for connecting to standard industrial vacuum cleaners\*, also for laying tiles and natural stone slabs
- Light and easy to handle, as it is made of 4 kg light aluminium
- The MJ-J can be connected in a flash with the (5 m long) vacuum hose supplied. 2 connecting cones are enclosed for connection to industrial vacuum cleaners
- By purchasing an additional MJ-J-HG two-man carrying handle, the MJ-J can also be used as a two-man device
- With the optionally available MJ-J-SPS-50-44/24 suction plate, the working load limit is then 50 kg
- Suction plates of different working load limits, shape and design can be added in the modular system



Slab can also be  
picked up when  
placed vertically  
on edge



Includes adapter for standard  
industrial vacuum cleaner



Connection to QUICKJET QJ-600-E  
Vacuum Lifting Device



MJ-J

Type	Description	Dimension Suction plate Ø mm (in)	Working Load Limit WLL kg (lbs)**	Dead Weight kg (lbs)	Order- Number
MJ-J	With suction plate 25 kg	260 (10")	25 (55)	4 (9)	5260.0015
MJ-J-HG	Two-men-handle for MJ-J			5.5 (12)	4260.0162
FFS	Radio remote control set comprising transmitter and socket to switch the industrial vacuum cleaner on and off. Transmitter can be attached with Velcro. Plug type F, 230 V. Not suitable for QUICKJET and SPEEDY.				4850.0016

#### Suction plates

Type	Dimension Suction plate mm (in)	Working Load Limit WLL kg (lbs)**	Dead Weight kg (lbs)	Order-Number
MJ-J-SPS-50-44/24	440 x 240 (17¼ x 9½")	50 (110)	1.5 (3)	4260.0163



MJ-J with MJ-J-HG on QUICKJET QJ-600-E

● Durable surface protection by galvanizing

\* wet/dry vacuum cleaner with bypass valve for permanent cooling  
\*\* Value at 150 mbar low pressure



## For the heavy and very large formats

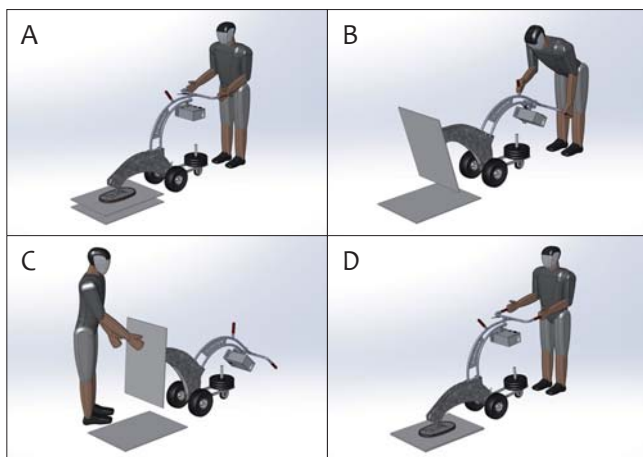
### FLIEGUAN-M<sup>®</sup> FXM-30 Vacuum Tile Laying Device – Lay heavy, large-format tiles up to 30 kg smoothly on 2 wheels

- Humanisation effect, as it is no longer necessary to carry heavy tiles
- Rationalisation effect, as one person alone can lay large tiles comfortably and quickly
- Smooth-running, non-fading plastic wheels with rubber treads for easy handling
- Whilst the tile is being coated, the device can be secured against rolling away
- A battery-powered vacuum pump unit generates the negative pressure required for safe handling, **even with textured surfaces**. With manometer and suction force indicator and battery charging indicator
- One battery charge supplies the vacuum pump reliably over several days without recharging.  
Charger not included in the scope of delivery
- With 5 x 10 kg ballast weights, individually attachable depending on tile weight



FXM-30

Type	Working Load Limit WLL kg (lbs)	Dead weight without counter-weights kg (lbs)	Counter-weight kg (lbs)	Order-Number
FXM-30 ①	30 (65)	41 (90)	5 x 10 (5 x 20)	5850.0002
VPH-LG-220V/12V	Battery charger for FXM-30			2420.0004



- The suction on the tile (A) by means of the suction plate is activated by switching on the vacuum pump. Removed from the stack or picked up upright from the wall, the tile can now be rotated into a vertical position (B) and fixed safely. After applying the adhesive (C) in an ergonomically advantageous position (floating & buttering process), the tile is rotated back to horizontal by operating the handle and can be positioned exactly in the deposit location (D). The tile is released either by operating the release device on the suction plate or by switching off the vacuum pump.



① Durable surface protection by galvanizing

## Tile handling from safe transport to adhesive application that is easy on the back

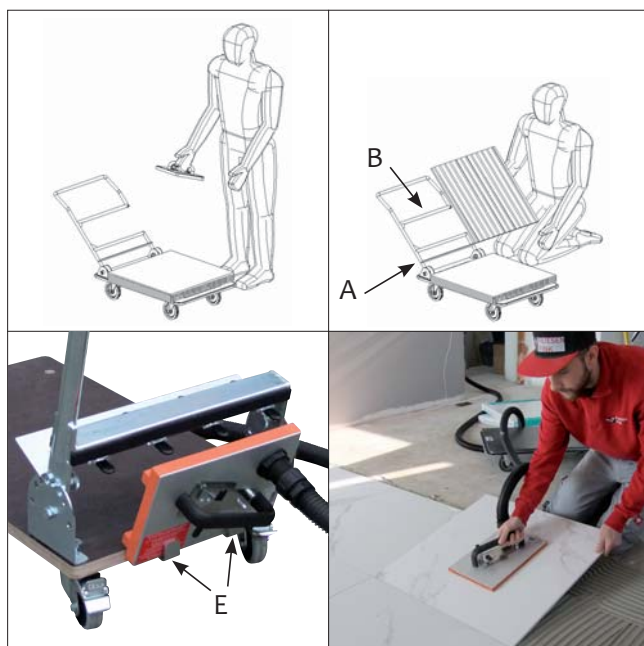
### FLIEGUAN-SHERPA FXS-250 Tile Transport Trolley – for optimum flexibility on the construction site

The perfect complement to the FLIEGUAN-HANDY FXH-25.

- Loading area with robust wood covering prevents damage to the tiles
- Ergonomically shaped handle that is open on the side allows vertical positioning of the tile with the FXH
- For application of the adhesive in an ergonomically advantageous position (floating & buttering process), the tile can be placed vertically on a holder with cellular rubber protection (A) in the lower area of the handle. The tile is leant gently on two fold-out tile holders (B) which can be adapted to the respective tile size
- Removable adhesive drip tray for cleaning (C)
- Holder to pull out for tile adhesive bucket (D)
- Hanging option for the FLIEGUAN-HANDY FXH-25 (E)



Type	Dimensions mm (in) L x W x H	Tile dimension max. mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight kg (lbs)	Order-Number
FXS-250	750 x 450 x 920 (30 x 18 x 36")	approx. 800 x 800 (31 x 31")	250 (550)	15 (33)	5850.0004



- Smooth swivel/fixed castors with solid rubber tyres and parking brake
- Handle can be folded down for space-saving transport
- Suitable for right and left-handed use



## Other devices and tools from PROBST for efficient and ergonomic laying

### VACUUM-POWER-HANDY VPH – independent on current supply

- Comfortable handle designed for two-man operation. Height and width adjustments to always permit operation in the most ergonomically correct body position
- Vacuum pump unit, with battery charge indicator, On/Off switch (the entire unit can be removed)  
Power via rechargeable 12 Volt battery; automatic power saver mode; one charge lasts an entire day of installation without recharging. Battery charger not included
- Seal can be replaced in a minute without the need for adhesive or tools
- Ideal for all vacuum-dense slabs, such as granite, wetcast concrete, etc.
- Fitted as standard with chain compartment and load securing chain as well as lifting eye for hoist operation



VPH-150

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TILE HANDLING

Type	Suction Plate Dimension mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight kg (lbs)	Order-Number
VPH-100 ❶	260 x 210 (10 1/4 x 8 3/4")	100 (220)*	16 (35)	5271.0009
VPH-150 ❶	oval 440 x 250 (17 1/4 x 9 3/4")	150 (330)*	16.5 (36)	5271.0008
VPH-LG-220V/12V	Battery charger for VPH-100 and 150			2420.0004

VPH-100 with VPH-RS and VPH-RS-AS



### Wheel Set VPH-RS – Mobility on big wheels

- Wheel Set VPH-RS can be retrofitted to any VPH device at any time
- Thus dense slabs can be installed by just one person
- **Recommended device configuration for tile laying:**
  - VPH-100 as a basic device +
  - VPH-RS Wheel Set +
  - VPH-RS-AS: Height-adjustable stop with which the tile can be placed tilted forward at different angles

Type	Working Load Limit WLL kg (lbs)	Dead Weight kg (lbs)	Order-Number
VPH-RS ❶	150	7.6 (17)	4271.0072
VPH-RS-AS ❶	Support for wheel set VPH-RS		1.0 (2) 4271.0154

❶ Durable surface protection by galvanizing

\* Value at 500 mbar low pressure



## VACUUM-HANDY VH-1/25 – amazingly simple and super-practical for installing vacuum-dense slabs

The cost-effective alternative for the installation of vacuum-dense slabs. A vacuum valve is operated by a light finger movement, to lift or set down the slabs. The vacuum holding force is generated by simple downward pressure and subsequent lifting by hand.

- One-man operation for lightweight slabs and short transportation distance
- Accurate and quick installation with no gap in-between slabs
- Ergonomically good working position for installation
- Also already layed slabs can be picked up again
- Robust seal ring, can be exchanged within seconds without glueing
- By purchasing of an additional two-men handle VH-2-HG the VH-1/25 can be used for two-men operation.

The working load limit is then 50 kg



VH-1/25



VH-1/25 with VH-2-HG

Type	Suction Plate dimension Ø mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight kg (lbs)	Order-Number
VH-1/25 ❶	280 (11")	25 (55)	5 (10)	5260.0009
VH-2-HG ❶	Two-men handle for VH-1/25	50 (110)*	3 (7)	4260.0155

\* In conjunction with VH-1/25

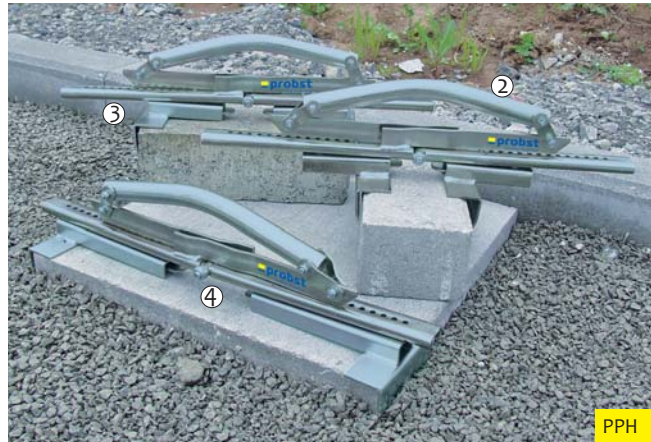
❶ Durable surface protection by galvanizing

## Professional-Slab Handle PPH

For efficient, seamless laying of concrete and natural stone panels.

- Large adjustment range, with interchangeable clamping jaws
- Very stable professional design
- PPH-S-10/62 comes as a set with a basic unit and 3 sets of grippers

Type ❶	Gripping Range W mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight kg (lbs)	Order-Number
PPH-10/37 ②	100 – 370 (4 – 14 ½")	60 (130)	1.5 (3.2)	5320.0053
PPH-22/50 ③	220 – 505 (7 ½ – 19 ½")	60 (130)	1.5 (3.2)	5320.0052
PPH-33/62 ④	330 – 620 (13 – 24")	60 (130)	1.5 (3.2)	5320.0054
PPH-S-10/62	100 – 620 (4 – 24")	60 (130)	3 (7)	5320.0055



PPH



PPH-AA



PPH-2-HG

## Support adapter PPH-AA

Support adapter for retrofit at any time PPH-AA allows for quick and more accurate fit in. (1 unit required per PPH)

## 2-man carrying handle PPH-2-HG

Suitable for all PPH models. With one wing nut, the handle can be turned through 90° as required.

Type	Dead Weight kg (lbs)	Order-Number
PPH-AA ❶	0.1 (0.2)	4320.0079
PPH-2-HG ❶	2.3 (5)	4320.0085

## Measuring and Marking Tool MAL

An essential tool for precise measurement and marking of paving stones and panels, along lengths and around angles.

- Time savings of at least 400 to 600 % during marking

Type	Dead Weight kg (lbs)	Order-Number
MAL	0.5 (1.1)	5180.0026



MAL

AW-60



## Aluminium Angle AW

Pavers are to be laid and aligned at right angles to the borders.

- AW-60 / AW-120: Operating angles 45° and 90°
- Can be folded into a compact unit

Type	Side Length mm (in)	Dead Weight kg (lbs)	Order-Number
AW-60	600 x 600 (24" x 24")	0.6 (1.3)	5180.0052
AW-120	1,200 x 1,200 (47" x 47")	1.0 (2.2)	5180.0085

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#### Site Equipment



#### Building Material Plants – In-plant Handling



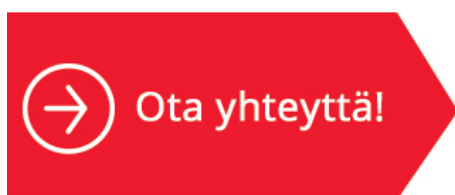
#### Truck Crane Attachments



#### Service



We will gladly advice you.



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