PMB 2400

Vehicle attachment

The removal of Foreign Object Debris (FOD) at an airport is of considerable importance for the safety and efficiency of flight operations. In combination with powerful sweepers, the Schmidt PMB 2400 permanent magnetic bar is an indispensable tool for removing magnetic, particularly dangerous foreign objects from stands, taxiways and runways.

Highlights

- The PMB 2400 eliminates magnetic FOD using **intelligent and powerful magnet technology.**
- The PMB is the **ideal attachement** to the Schmidt AS 990 high-speed sweeper.
- The PMB 2400 not only removes nails, screws, nuts, bolts and cotter pins, but **also luggage straps, charging cables, screwdrivers and the smallest magnetic parts** that passengers or service personnel may accidentally drop on the ground.
- The PMB 2400 can be attached and removed quickly and easily using a quick-change system **that fits most mounting plates.**
- The PMB 2400 is designed so that the FOD **does not damage themagnetic bar;** emptying is extremely easy and can be done in just a few simple steps.

Your benefits

- The use of an efficient magnetic bar offers you a **great deal more security** without any significant additional effort.
- The magnetic bar **also protects your sweepers,** as magnetic parts are already removed before debris are vacuumed and cannot damage tyres and vacuum cleaner parts.
- The PMB 2400 can not only be used in combination with the Schmidt AS 990 high-speed sweeper, but can also be combined with **any carrier vehicle** of different sizes.
- The PMB is extremely **low-maintenance** and virtually indestructible.

Performance features

Magnet system

The PMB 2400 consists of **four components**: the magnet system, the top cover of the magnet system, two parallelograms with lifting and lowering cylinders and the equipment plate. The magnet system used in the PMB 2400 is very powerful and user-friendly. The strongest magnetic fields are directed downwards, while the magnetic fields to the side and upwards are significantly weaker, ensuring it complies with appropriate safety limits. The permanent magnetic beam is guided evenly over the traffic surface by **two wheels**. It reliably picks up magnetic objects at a working width of 2,400mm and a field density of approximately 300 Gauss, at a ground clearance of 100mm. The PMB 2400 is attached to the vehicle plate of the carrier vehicle by a **quick-change system** and can be attached or removed within a few minutes **on size three and size five vehicle plates.**

In work

Magnetisable foreign parts are attracted when the PMB 2400 drives over them and remain firmly attached to a stainless steel rail, but the field lines of the magnet can still pass through it. The magnetic bar can be raised and lowered via the vehicle hydraulics or the independent electro-hydraulic system.

Positioning

The transport position is reached via the lifting and lowering cylinder, and ground clearance in transport mode depends on the carrier vehicle used. When the magnetic beam is lifted, the stainless steel rail can be swung downwards, so that any foreign objects are no longer subject to the influence of the magnet and can be disposed of accordingly.

Maintenance

The maintenance of the PMB 2400 is limited to periodic checking for damage and possible lubrication of the sliding parts.

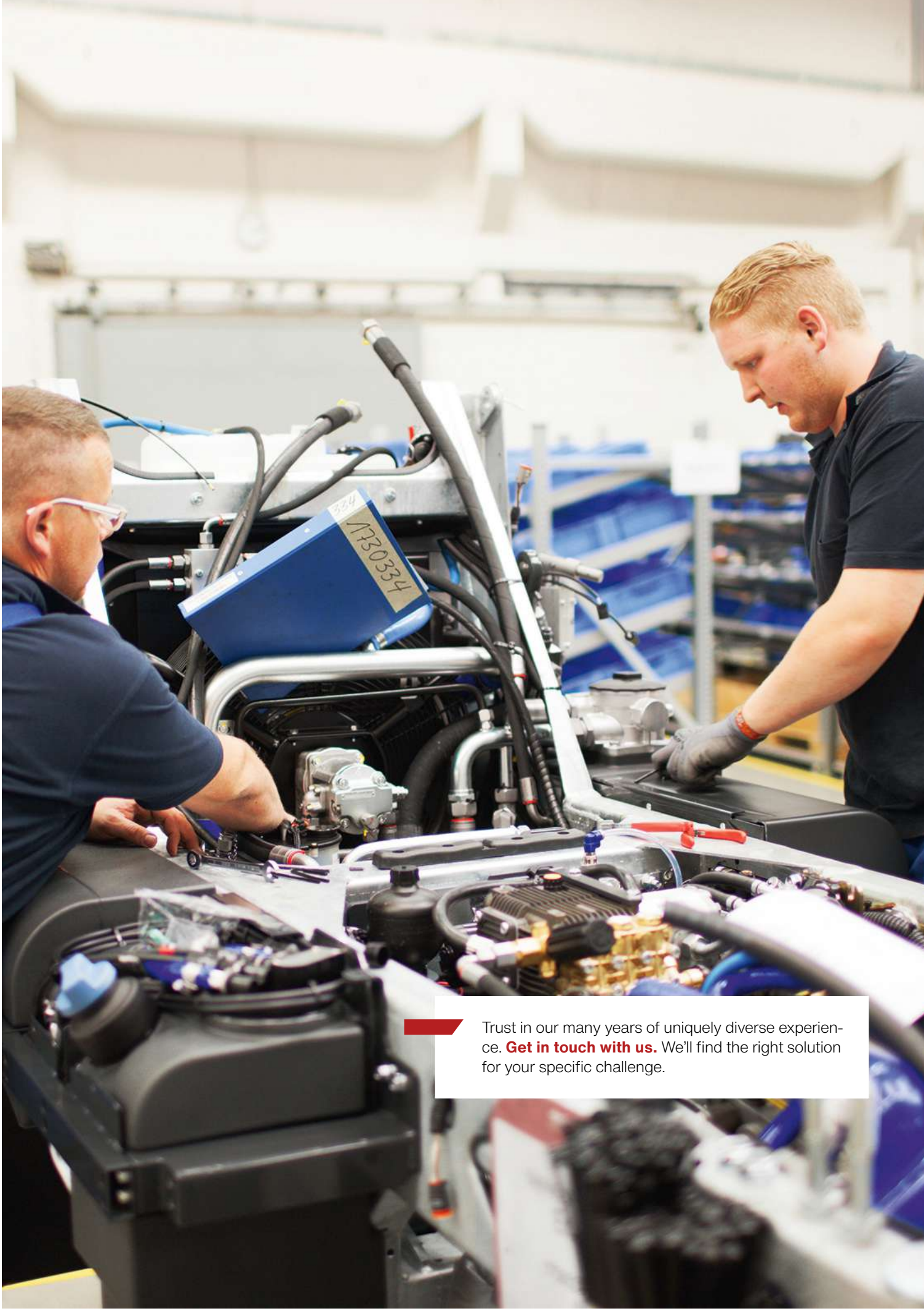
Related products

AS 990 / ASC 990

Sweeper

AS 660

Sweeper



Trust in our many years of uniquely diverse experience. **Get in touch with us.** We'll find the right solution for your specific challenge.

Technical data

Magnet bar	
Field density	300 gauss at 100 mm ground clearance
Drive system	
Drive	Vehicle hydraulics
Dimensions	
Width	2,400 mm
Weights	
Weight (incl. base tyres; without attachment)	350 kg

aebi schmidt group

www.aebi-schmidt.com

Aebi Schmidt Holding AG
CH-8050 Zurich, Switzerland

Document created on 9 JUN 2024