

**SICHELSCHMIDT FORKLIFT TRUCKS**

**16 X 1**

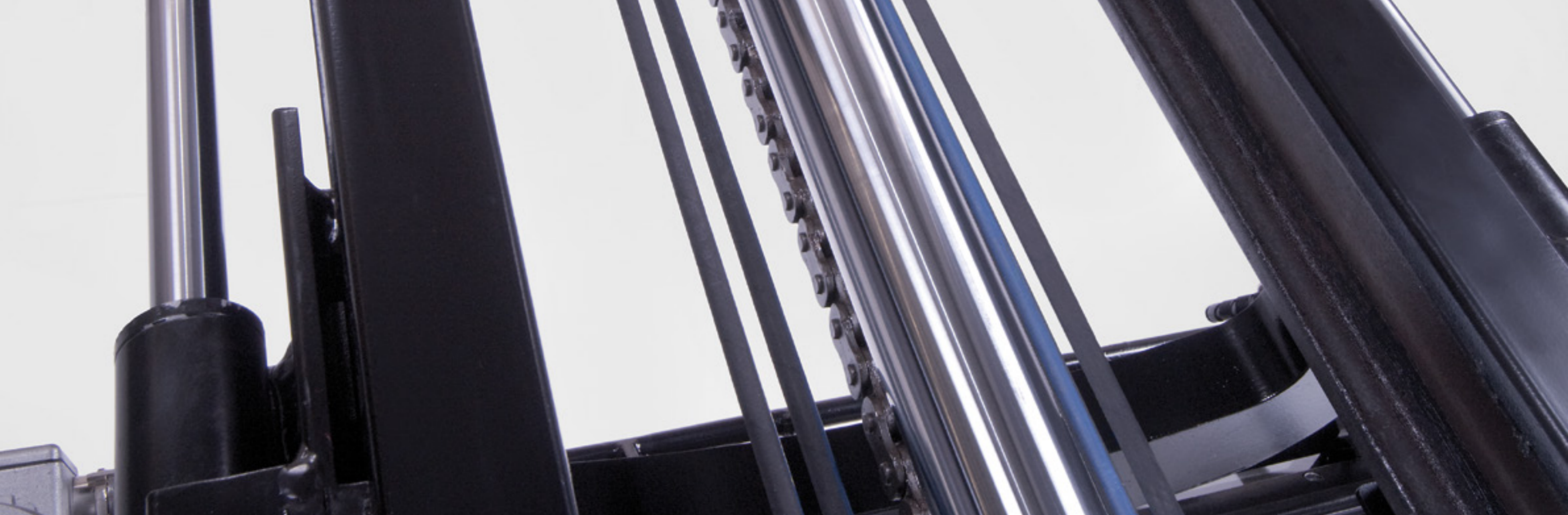
Im Hilingschen 32  
D-58300 Wetter (Germany)

Telefon +49 (0) 23 35 - 63 09 - 0  
Telefax +49 (0) 23 35 - 63 09 - 88

[www.sichelschmidt.de](http://www.sichelschmidt.de)  
e-mail [info@sichelschmidt.de](mailto:info@sichelschmidt.de)

**Sichelschmidt**<sup>GmbH</sup>  
material handling





## Explosion Proof Forklifts Zone 1/21, Zone 2/22 and Explosion Group IIC



**H120 EEx** Stainless steel pedestrian pallet truck

For the horizontal transport of pallets and containers up to 2000kg.



**d100 EEx** Electric pedestrian pallet truck

The d100 EEx is in its element when it comes to the horizontal transportation of pallets and containers. With its extremely low unladen weight it lifts loads of up to 3000kg and is also ideal for operation in confined spaces.



**d400 EEx** Electric pedestrian pallet stacker

Placing, picking, lifting, moving: the d400 EEx was designed for these everyday jobs in the production, handling and storage facilities. An optional base lift simplifies pallet handling on loading decks and when negotiating ramps.

Lift capacity up to 2000kg  
Lift height up to 5700mm



**d500 EEx** Electric pedestrian straddle stacker

Get on the right track with the wide gauge d500 EEx. With its wheel arms positioned to the right and left of the load it ensures a high level of stability. Combined with special attachments such as tilting barrel clamps this wide gauge unit can be used as a flexible tool to precisely decant the contents of barrels into storage drums, collection and reaction tanks.

Lift capacity up to 2000kg  
Lift Height up to 5700mm



**d600 EEx** Electric pedestrian forklift truck

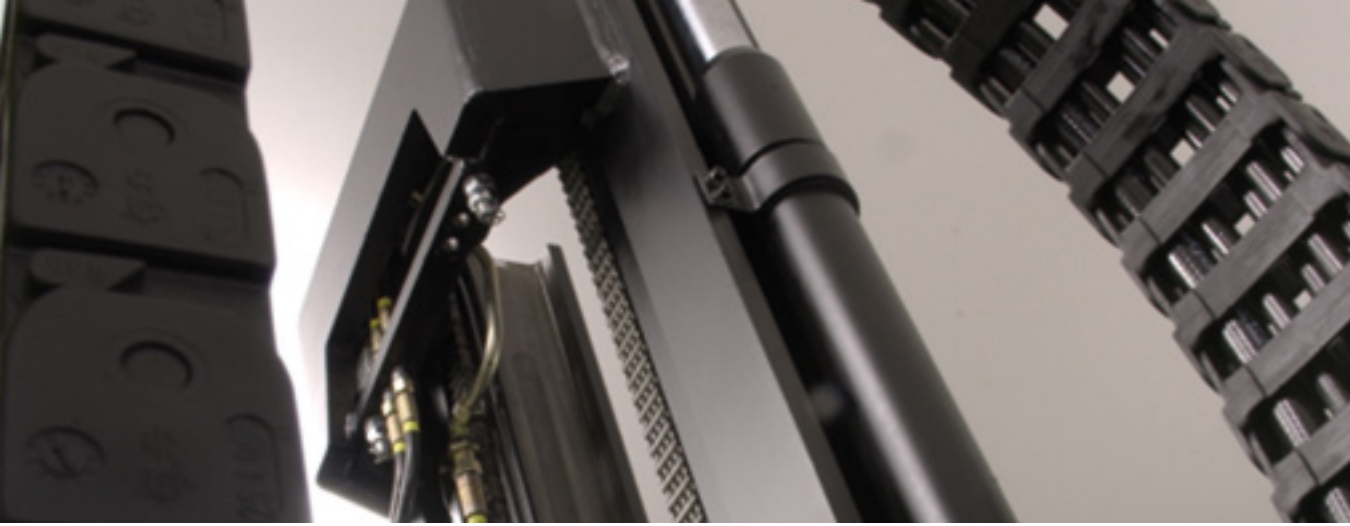
With lift capacities of up to 1250kg and lift heights of up to 5700mm the d600 EEx is ideal for operation in hazardous material stores and other Ex areas. Its solid construction guarantees extreme stability – a key safety feature.



**d1200 EEx** Electric pedestrian reach truck

The d1200 EEx can be used in a wide range of applications thanks to its self supporting load suspension, its compact build and powerful ASM AC drive. Various models are available with lift capacities of up to 2000kg.

Lift height up to 5700mm



## Explosion Proof Forklifts Zone 1/21, Zone 2/22 and Explosion Group IIC



**d130-T EEx** Electric tow tractor

A salient feature of the d130-T EEx, which has a traction power of 3t, is its extremely compact dimensions. The stand-on driver station with back rest offers a high level of operator comfort particularly when longer distances need to be covered.



**M200 EEx** Electric side seat pallet truck

The M200 is quick and nimble in the warehouse, storerooms and in the goods in/out areas. Its compact dimensions allow highly productive operation even in confined areas.

Lift capacity up to 3000kg



**M700-3 EEx** Electric 3-wheel counterbalance forklift truck

A compact and manoeuvrable 3-wheel forklift for universal application. The powerful front-wheel AC drive and electronic stabilising system ensure safe driving conditions and high throughput levels.

Lift capacity up to 2000kg  
Lift height up to 6000mm



**M700-4 EEx** Electric 4-wheel counterbalance forklift truck

The M700-4 EEx stands up to the toughest conditions worldwide and guarantees the utmost safety in Ex areas. Safe driving conditions are assured thanks to the powerful front-wheel AC drive and electronic stabilising system.

Lift capacity up to 3000kg  
Lift height up to 7500 mm



**M1200 EEx** Reach truck

The M1200 EEx is in a class of its own when it comes to design and ergonomics and is the solution for very productive operation. Highly manoeuvrable in narrow aisles it also copes with tall orders with its lift height of up to 9000mm.

Lift capacity up to 3000kg



**M7200 EEx** Lateral reach truck

Lateral reach trucks are the answer for efficient pallet handling. The pivoting mast enables pallets to be placed or picked to the right or left in narrow aisles.

Lift capacity up to 1500kg  
Lift height up to 10000mm



## Powerful and durable – the electric truck range

## 4-Way technology – for extra flexibility

### When a standard model isn't enough

Whether you need to commission, transport, stack or store, there will be a model from Sichelschmidt's electric range to cope with virtually every materials handling requirement. The trucks are fitted with powerful ASM AC drives and Sichelschmidt's reputation over decades for the highest manufacturing standards guarantees a top quality product.



**d800** Workshop crane

The workshop crane d800 enables users to lift and move loads of up to 3t in confined spaces without the need for a mobile hall crane or other stationary cranes. This gives you the independence to move what you want, where you want, from one hall to another with no restrictions.

### Getting there in all directions

Thanks to the special design of the M900 the driver has the complete load in sight at all times when travelling sideways. A further advantage of 4-way technology is the ability to exit the cab at any time even when driving in confined spaces.



**M900** 4-way forklift

The M900 is the ideal forklift for those needing to handle long loads. It offers an enhanced level of operational flexibility thanks to its ability to be precisely steered and positioned in sideways mode. This 4-way truck therefore becomes a multi-way truck with lift capacities up to 3000 kg and standard lift heights up to 7400 mm – the perfect machine to cope with long products.



## Cleanroom forklifts for conventional applications and for use in areas rated ATEX Zone 1/21, Zone 2/22 and Explosion Group IIC

### Cleanroom forklifts

Many processes in the pharmaceutical manufacturing sector need to comply not only with explosion protection directives but also those of cleanroom operation to ensure that products are not contaminated. Sichelschmidt has addressed this demanding combination of Ex protection and cleanroom technology by developing a series of models that are GMP compliant. The cleanroom forklifts are also supplied in versions for operation in non Ex areas, for example in the semiconductor industry.



**d100 GMP** Electric pedestrian pallet truck

For the horizontal transportation of pallets and containers. The chassis is made out of stainless steel with easy to clean surfaces. The encased battery and the fully enclosed hydraulic loop prevent contamination of the working area.

Lift capacity up to 2000kg



**d400 GMP** Electric pedestrian pallet stacker

For placing, picking, lifting and transporting pallets and containers. The chassis has an enclosed lifting column and stainless steel pallet forks. The encased battery and the fully enclosed hydraulic loop prevent contamination of the working area.

Lift capacity up to 1250kg



**d500 GMP** Electric pedestrian wide straddle stacker

For very stable transportation when travelling with loads such as barrels, also for use in cleanrooms. The design of the d500 GMP meets the exacting requirements of operation in cleanrooms and hygiene sensitive applications.

Lift capacity up to 1250kg



**d600 GMP** Electric pedestrian truck

For transporting pallets and containers as well as for use with a wide range of attachments. The chassis features an enclosed lifting column and stainless steel forks and fork carriage. The encased battery and the fully enclosed hydraulic loop prevent contamination of the working area.

Lift capacity up to 1250 kg



## Sichelschmidt – the service

The Operational Safety Directive (BSVO) §15 stipulates that electrically powered equipment operated in areas where the risk of explosion is present must undergo regular technical inspections. This also applies to electric forklift trucks. According to the BSVO, equipment that is considered to be in standard use must be inspected every three years. For machines which are judged to be working in more hazardous areas or in more intense applications such as three shift operation, inspections should be carried out within shorter intervals. Personnel deemed qualified as defined by the BSVO to carry out the inspections need to fulfil the following criteria:

- To have completed technical professional training or to possess other adequate qualifications
- To have comprehensive knowledge of explosion protection and the pertaining technical regulations
- To have at least two years' experience with the manufacture, assembly or maintenance of the plant and equipment in question.

Technical checks and inspections to verify that the equipment is in a duly fit state for the required operation must be carried out. As well as visual monitoring the inspection procedure also entails, for example, measurement of the current bearing components. Insulation checks are also carried out on the forklift batteries, tyres, and motors. Sichelschmidt offers an in-depth and professional inspection service of all your electrical handling equipment for Ex areas and will provide a subsequent verification of the inspection process which conforms to authorised standards.

This service is offered for any make of equipment and applies not only to forklifts but also to related electric powered Ex vehicles and apparatus such as elevating platforms and pallet trucks.

Our long-standing manufacturing competence and service experience is the basis for our expertise to provide professional inspections. Our formally qualified nationwide team of Sichelschmidt service technicians have been trained, examined and recognised by the TÜV Saarland as qualified personnel as defined by the BSVO. Sichelschmidt's national network of in-house service centres works closely with Sichelschmidt's regional network of representatives, and personnel have also been trained to the required standards in Switzerland and Austria.

## Custom vehicles „built to last“

Sichelschmidt products share the common characteristics of robust build and durability – and they have done so for decades. Even after years of operation in tough environments they continue to offer reliable and highly effective service. This is down to the tried and tested core components of the standard models as well as stringent attention to detail in the manufacturing process, for example with individual weldments. We work to your requirements. Whether you need a handling device for paint production, tailor made commissioning trucks or a mobile crane for handling sensitive components: Sichelschmidt has comprehensive experience in the design and manufacture of special builds. You tell us what you need and we will come up with a solution that exactly suits your technical and commercial requirements.

### **Creative development – flexible manufacturing**

Sichelschmidt has been developing and manufacturing standard trucks as well as „tailor made“ forklifts for individual requirements for over fifty years. Creative development and flexible manufacturing enable us to offer efficient solutions even as one offs if required and are the key to success in this area of our business.

### **Modular build solutions**

Clever use of Sichelschmidt's modular build system enables us to supply cost effective solutions that perfectly fulfil even the most specialist logistical requirements. Powerful and energy efficient ASM AC drives and thoroughly thought out operating systems play their part to guarantee safe and ergonomic synergy between the driver and the vehicle.

### **Special solutions for special requirements**

Challenging environments such as Ex Zones, cleanrooms and oil platforms require special solutions when it comes to handling equipment. Thanks to Sichelschmidt's expertise and experience in the field we can provide the optimum equipment for these tough applications.