

trak[®] Xchange TU

manual battery handling unit
for battery changing
in the charging station



Motive Power Systems

Reserve Power Systems

Special Power Systems

Service

Your benefits:

- **Low exertion of force** – assisted height adjustment according to type
- **Flexible use** – suitable for vehicles with different battery changeover heights
- **Easy to operate** – battery change carried out directly by the truck driver
- **Cost-saving solution** – only one person needed for battery changing (usually the truck driver)
- **Compact and space-saving design** – no extra slot for the spare battery needed
- **Quasi continuous truck utilisation** – battery change within approx. 2 minutes

Typical applications

- Fleet (one changing unit for up to 20 batteries)
- Preferred battery sizes 12 V to 48 V
- Centralised and decentralised battery charging stations



trak[®] Xchange

Battery handling systems for charging stations

Battery-powered electric vehicles, used in industry in energy-intensive or multi-shift operations, must be resupplied with power quickly and reliably after their period of service.

For this process, which in certain circumstances may occur several times a day, there are a number of options. Either the electric vehicle is connected to a charger and is therefore out of service for hours, or the heavy batteries must be changed over using a crane, a manually operated changeover truck, or a fully-automated, powered battery changeover unit.

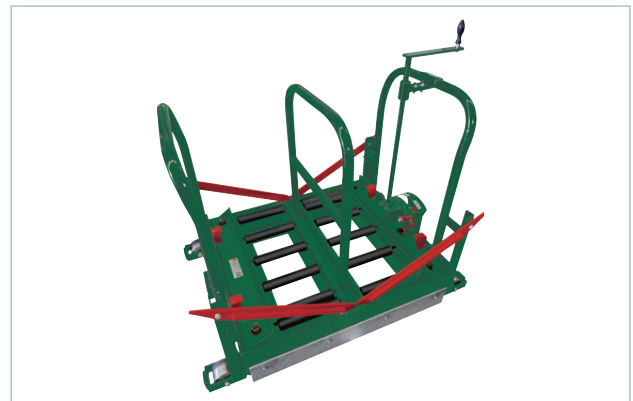
COMPREHENSIVE PRODUCT RANGE

For rapid, safe and user-friendly battery handling, HOPPECKE offers a comprehensive range of products.

Our battery handling units and systems are compatible with virtually all types of industrial truck and vehicle fleet sizes. In selecting the optimal changing system we take into account not only the number of batteries required, their size and the vehicle type involved, but also the space available (for optimal utilisation).

All our solutions make possible a cost-effective battery handling, since no additional personnel are needed for the changing process. At the same time the battery changing takes place with no or only minimal exertion of force.

Extract from the HOPPECKE trak[®] Xchange product range



trak[®] Xchange TU



trak[®] Xchange MU



trak[®] Xchange PU

trak[®] Xchange TU

The practical solution for the changeover of smaller batteries

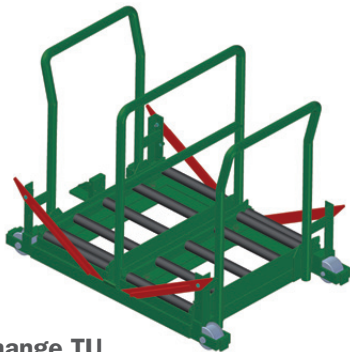
FAST . SAFE . EASY TO USE

The HOPPECKE trak[®] Xchange TU battery changing cart is suitable for small batteries (12 V and 48 V) and was specially developed for electric lift trucks and low-level order pickers with lateral battery changing based on rollers. The cart of the trak[®] Xchange TU models is equipped with two roller beds, which facilitates fast battery changing. All trak[®] Xchange TU systems run on floor-mounted rails. At the same time, secure movement of the battery is ensured by a locking mechanism. Even with worn tyres, battery changing is trouble-free. The system compensates

for worn vehicle tyres by adjusting the height of the roller bed.

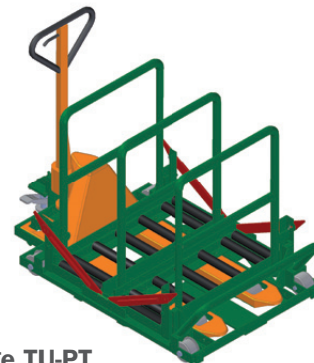
THE RIGHT CHANGING SYSTEM FOR EVERY APPLICATION

Four product variants have been designed specially to meet the very diverse specifications of customers. In addition, we also design and construct our own systems technology based on your requirements. Give us a call.



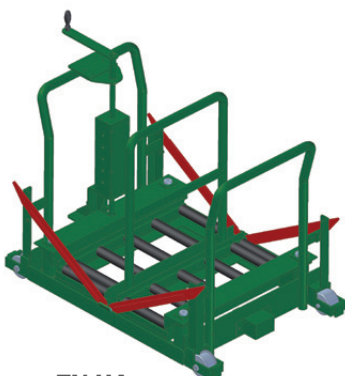
trak[®] Xchange TU

is moved along the racks and is suitable for charging stations with a single type of vehicle or for industrial trucks with identical battery roll-off height and battery dimensions.



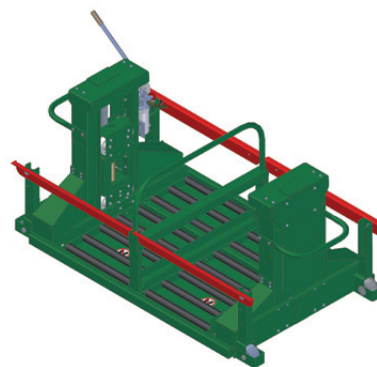
trak[®] Xchange TU-PT

is fixed to a manual pallet truck. Manual height adjustment is easily effected using the lift mechanism of the pallet truck.



trak[®] Xchange TU-HA

has in addition an easy-to-operate crank handle for manual height adjustment.



trak[®] Xchange TU-HY

is equipped with an hydraulic height adjustment mechanism. The large adjustment range means that all vehicle types and roll-off heights with 12 V to 48 V batteries can have their batteries changed using the trak[®] Xchange TU-HY.

Our trak[®] Xchange TU solutions

at a glance

trak [®] Xchange		TU	TU-PT	TU-HA	TU-HY
Truck	Preferred fleet size	From 5 trucks upwards, same model	From 5 trucks upwards, different models	From 10 trucks upwards, different models	From 10 trucks upwards, different models
	Number of spare batteries per changing unit	20	20	20	20
	Preferred types of truck	Lift trucks, order pickers, tugs	Lift trucks, order pickers, tugs	Lift trucks, order pickers, tugs	Lift trucks, order pickers, two trucks, small front lift trucks
	Battery compartment with roller bed	✓	✓	✓	✓
	Battery shelf with slide rails	-	-	-	-
Battery	Preferred battery type	12 V - 24 V	12 V - 24 V	12 V - 24 V	12 V - 48 V
	Max battery size (LxWxH), Models for different battery sizes	1050x350x800	1050x350x800	1050x350x800	1050x500x800
	Battery weight (max. in kg)	800	600	400*	600/1000**
Features	Battery removal	By hand	By hand	By hand	By hand
	Battery bed	Double roller bed	Double roller bed	Double roller bed	Double roller bed
	Structure/support vehicle	Floor-mounted guide rail	Floor-mounted guide rail	Floor-mounted guide rail	Floor-mounted guide rail
	Height adjustment	Manual by screw adjustment	Hand pallet truck	Crank handle with chain loop	Hydraulic system
	Height adjustment range (mm)	+/- 30	110	100	200/300
	Min./max. battery roll-off height (mm)	95 - 350	110 - 350	110 - 350	110-310/110-410**
	Compensation for tyre wear	-	✓	✓	✓
	Space required in system	Minimal	Minimal	Minimal	Minimal
	Force expended during battery changing	Low	Low	Low	Low
	Time for battery changing	2 min.	2 min.	2 min.	2 min.
Options	Battery handling aids	o	o	o	o
	Foot brake	o	✓	✓	✓
	Height indicator	-	-	✓	✓

✓ = standard o = optional * Height adjustment only with one battery ** largest Type

trak[®] Xchange TU

Suitable for all sizes of fleet



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Motive Power Systems



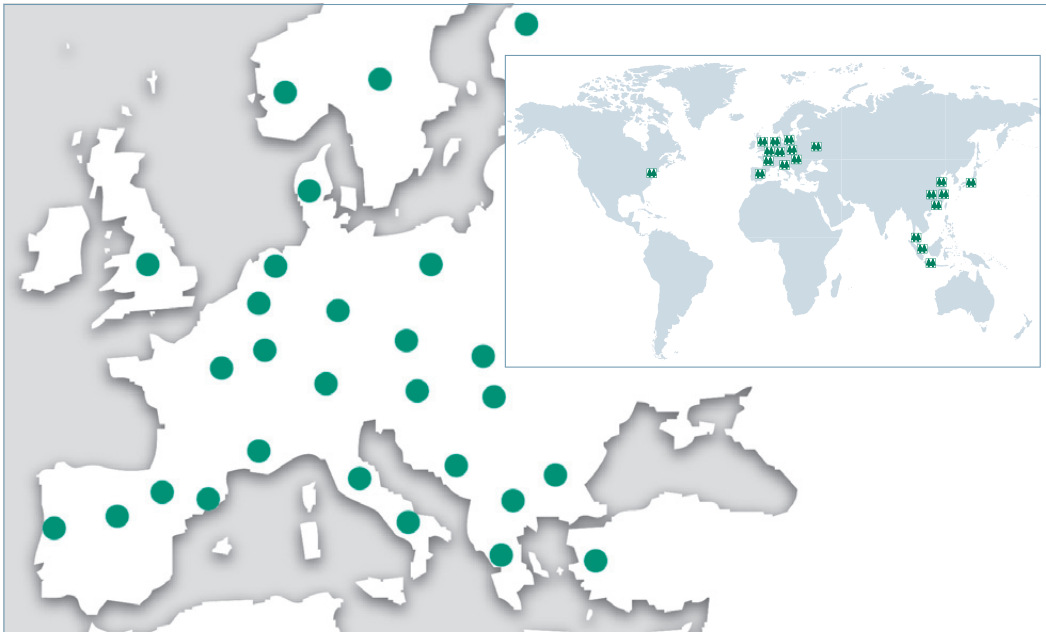
Reserve Power Systems



Special Power Systems



Service



HOPPECKE subsidiaries and factories - European sales and service network

Industrial batteries - Complete energy systems - Full Service

- Low-maintenance and no-maintenance batteries
- Innovative battery chargers based on the latest technology
- Battery accessories
- Battery management systems and software
- Battery changeover systems
- Battery/charger servicing
- Battery recycling
- Applications engineering and technology
- Battery room design
- Technical training and seminars
- Leasing
- Power by the hour

Your partner for sustainable energy solutions!

Further information on www.hoppecke.com

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