Lifting, tilting, turning...

Material handling

Lift and tilt table HKT 1500
Container lifter BN-HK
Container tilter BN, BN-SH, BN-SG
Adjustable stand KS
Box tilting table NT
Lift table for tools WZW

Drum lifter
Drum turner
Drum gripper

Appliances with 90° tilt
Dustbin tipper MT 240
Handy
Assembly lift table M
Low-profile lift table
Ergo-E
Ergo-G

Column lift SH
Pallet transfer station PAS

DIN EN ISO 9001
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GRUSE has been engineering and building machinery and equipment since 1869. Today GRUSE specialises in the design and manufacture of lifting and conveying equipment for in-house transportation and material management systems.

Increasingly, ergonomics and work safety play an instrumental role in achieving faster and more efficient production. Over a dozen design experts at GRUSE are involved in the development of solutions for various lifting, tilting and turning operations designed ultimately to make life easier for operators. The functionality, safety, stability and operational ease of GRUSE’s lifting and handling systems have proved their worth over the past 25 years and they are undergoing continuous improvement.

Consult one of our employees for advice. We can customise a wide range of products to meet your specific needs. For more information, see: www.gruse.de
**Lift an tilt table**

**HKT 1500**

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**Tilting heavy loads**

GRUSE’s lift and tilt table is a special space-saving device for industrial and commercial operations. It is best suited for work areas in which products or materials are to be loaded and handled at ergonomic heights. A specific feature of this lift and tilt table is that the tilting platform recedes by 185 mm. Its compact design makes it suitable for heavy-duty containers with a weight of 1500 kg.

**Standard fittings**

- Operating voltage 400 V
- Control voltage 230 V
- Sub-table adjustable in height, 400 mm
- Tilting top with tilting platform
- Tilt angle 35° in approx. 35 seconds
- Bellow provides protection
- Tilt function available in all lift positions
- Tabletop made of smooth sheet metal
- Hose failure protection
- Safety rail at tabletop (3 sides)
- Maintenance-free scissor axle bearing
- Inspection strut
- Dead man’s control unit with manual push button control and emergency stop on 3 m cable

**Details**

The tilting platform recedes by 185 mm and is thus particularly space-saving and user-friendly. The ideal ergonomic tilting position can be adjusted to the operator’s individual needs.
Details

A forklift is used to move the lift and tilt table plus container. The container can be loaded with a high-lift truck. The load-bearing surface of the tilting platform is designed for skeleton container sizes of 1,000 by 1,400 mm.

Lift and tilt table

<table>
<thead>
<tr>
<th>HKT 1500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load-bearing capacity kg</td>
</tr>
<tr>
<td>Tilt angle °</td>
</tr>
<tr>
<td>Usable stroke mm</td>
</tr>
<tr>
<td>Tabletop mm</td>
</tr>
<tr>
<td>Sub-frame mm</td>
</tr>
<tr>
<td>Lifting time approx. sec.</td>
</tr>
<tr>
<td>Power kW</td>
</tr>
<tr>
<td>Weight approx. kg</td>
</tr>
<tr>
<td>Type</td>
</tr>
</tbody>
</table>
Container lifter BN-HK

Lift and tilt in one single operation

Container lifter BN-HK

Operating at ergonomic heights – lifting and tilting in one single operation. This technically sophisticated assistant has been designed for workstations where material has to be removed from skeleton containers. The BN-HK 1500 KE lift and tilt function is set in motion by pushing one single button.

1. Lift
2. Tilt (prism guided)
3. Tilt angle up to 35° (standard)
4. Further lift to desired level

The BN-HK 1500 KE or HE can tilt to the left or to the right. Please indicate the desired direction.

Independently of the lifting function, the BN-HK 1500 HE tilts hydraulically to one side and the BN-HK 1500 HB to either side.

Standard fittings

- Load-bearing capacity up to 1500 kg
- Lift and tilt in one single operation (BN-HK 1500 KE only)
- Tilt angle up to 35°
- Operating voltage 400 V
- Control voltage 230 V
- Loading with fork lifts or pallet trucks
- BN-HK 1500 HE and KE tilt either to the right or to the left (easy to retrofit from right or left side)

On request a lever roller can be supplied for cases where it is necessary to have a transportable appliance.
**Product overview**

**BN-HK**

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Tilt angle °</th>
<th>Voltage V</th>
<th>Tilt</th>
<th>Power kw</th>
<th>Weight approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500</td>
<td>35 one side</td>
<td>400</td>
<td>prism guide</td>
<td>1,1</td>
<td>520</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>hydraulic</td>
<td>1,1</td>
<td>530</td>
</tr>
<tr>
<td>1500</td>
<td>35 either side</td>
<td>400</td>
<td>hydraulic</td>
<td>1,1</td>
<td>550</td>
</tr>
</tbody>
</table>

**Type**

- BN-HK 1500 KE
- BN-HK 1500 HE
- BN-HK 1500 HB
Container lifter  
**BN, BN-SH**

Tilt angle up to 90°

The container lifter is designed for heavy containers and skeleton containers. With a tilt angle of up to 90° it allows for easy unloading of a container without the operator having to bend over. Depending on individual requirements it can be supplied with 1. electro-hydraulic pump or 2. foot pump.

**Standard fittings**

- Load-bearing capacity of 1000 or 1500 kg
- Tilt angle 90° max.
- Operating voltage 12V, 230V, 400V
- Wheels with Ø 200/85 mm
- Dimensions: length 1230 mm, with 740 mm, fork length 820 mm, fork width 550 mm

**BN-SH**

The container lifter BN-SH is the stationary version of the BN. It tilts to an angle of up to 90°. Instead of featuring load-bearing forks it is equipped to receive 900 x 1250 mm skeleton boxes. Fork lift trucks are used for loading.

**Standard fittings**

- Load-bearing capacity of 1000 or 2000 kg
- Tilt angle 90° max.
- Operating voltage 400 V
- Control voltage 230 V
- Side casing as safety feature
**Product overview**

**BN, BN-SH**

**Container lifter BN, BN-SH**

**Load-bearing capacity**

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Tilt angle °</th>
<th>Voltage V</th>
<th>Lifting time approx. sec.</th>
<th>Weight approx. kg</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>90</td>
<td>foot pump</td>
<td>-</td>
<td>195</td>
<td>BN 500</td>
</tr>
<tr>
<td>500</td>
<td>90</td>
<td>400 V</td>
<td>12</td>
<td>205</td>
<td>BN 500 E/400 V</td>
</tr>
<tr>
<td>500</td>
<td>90</td>
<td>230 V</td>
<td>16</td>
<td>205</td>
<td>BN 500 E/230 V</td>
</tr>
<tr>
<td>500</td>
<td>90</td>
<td>12 V/55 Ah</td>
<td>12</td>
<td>205</td>
<td>BN 500 E/12 V</td>
</tr>
<tr>
<td>1000</td>
<td>90</td>
<td>foot pump</td>
<td>-</td>
<td>200</td>
<td>BN 1000</td>
</tr>
<tr>
<td>1000</td>
<td>90</td>
<td>400 V</td>
<td>15</td>
<td>210</td>
<td>BN 1000 E/400 V</td>
</tr>
<tr>
<td>1000</td>
<td>90</td>
<td>230 V</td>
<td>20</td>
<td>210</td>
<td>BN 1000 E/230 V</td>
</tr>
<tr>
<td>1000</td>
<td>90</td>
<td>12 V/55 Ah</td>
<td>17</td>
<td>210</td>
<td>BN 1000 E/12V</td>
</tr>
<tr>
<td>1500</td>
<td>90</td>
<td>400 V</td>
<td>25</td>
<td>230</td>
<td>BN 1500 E/400 V</td>
</tr>
</tbody>
</table>

**Accessories**

1. **Battery capacity indicator with unit switch**, for 12 V-units, by Curtis
2. **Battery capacity indicator without unit switch**, for 12 V-units
3. **External battery charger** (automatic), charging current 7 amps. max.
4. **Integrated battery charger** (automatic), charging current 10 amps. max.

**Container lifter**

**BN-SH**

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Tilt angle °</th>
<th>Loading height mm</th>
<th>Container size mm</th>
<th>Voltage V</th>
<th>Lifting time approx. sec.</th>
<th>Power kW</th>
<th>Weight approx. kg</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>90</td>
<td>90</td>
<td>90 x 1250</td>
<td>400</td>
<td>13</td>
<td>1,1</td>
<td>520</td>
<td>BN-SH 1000</td>
</tr>
<tr>
<td>2000</td>
<td>90</td>
<td>90</td>
<td>900 x 1250</td>
<td>400</td>
<td>32</td>
<td>1,1</td>
<td>580</td>
<td>BN-SH 2000</td>
</tr>
</tbody>
</table>
Container tilter

**BN-SG**

- **Load-bearing capacity** up to 1000 or 2000 kg
- **Tilt angle** 35° max.
- **Operating voltage** 400 V
- **Control voltage** 230 V
- **Platform** 1400 x 1000 mm
- **Safety rail**
- **Load with fork lifter**

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**Tilt from 35° to 45°**

The BN-SG container tilter features receiving platforms for loads of 1000 or 2000 kg. It is easy to use and allows operators to work at ergonomically convenient heights without having to bend over.

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<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Tilt angle °</th>
<th>Loading height mm</th>
<th>Tabletop mm</th>
<th>Voltage V</th>
<th>Lifting time approx. sec.</th>
<th>Power kW</th>
<th>Weight approx. kg</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>35</td>
<td>250</td>
<td>1400 x 1000</td>
<td>400</td>
<td>7</td>
<td>1,1</td>
<td>500</td>
<td>BN-SG 100</td>
</tr>
<tr>
<td>2000</td>
<td>35</td>
<td>300</td>
<td>1400 x 1000</td>
<td>400</td>
<td>11</td>
<td>1,1</td>
<td>540</td>
<td>BN-SG 2000</td>
</tr>
<tr>
<td>-</td>
<td>45</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>On request</td>
</tr>
</tbody>
</table>
These small helpers are a must for any facility. The NT box tilting table and the KS adjustable stand are ideal for providing working materials at ergonomically favourable heights. The large tabletop of the tilting table provides space for two material boxes.

**Standard fittings**
- Picking height adjustable
- Tilt angle 30° max.
- Spindles for height and tilt adjustment
- Rubber wheels, Ø 75 mm
- Swivel castors fitted with brakes

**Standard fittings**
- Picking height adjustable
- Tilt angle 30° max.
- Screws for height and tilt adjustment
- Polyamide wheels
- Wheels, Ø 50 mm

### Box tilting table  
**NT**

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Tilt angle °</th>
<th>Tabletop mm</th>
<th>Wheels mm</th>
<th>Weight kg</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>0-30</td>
<td>600 x 600</td>
<td>4 x Ø 75</td>
<td>40</td>
<td>NT</td>
</tr>
</tbody>
</table>

### Adjustable stand  
**KS**

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Tilt angle °</th>
<th>Tabletop mm</th>
<th>Usable stroke mm</th>
<th>Wheels mm</th>
<th>Weight kg</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>0-30</td>
<td>380 x 540</td>
<td>650 - 880</td>
<td>5 x Ø 50</td>
<td>8</td>
<td>KS</td>
</tr>
<tr>
<td>75</td>
<td>-</td>
<td>380 x 540</td>
<td>650 - 880</td>
<td>5 x Ø 50</td>
<td>8</td>
<td>KS</td>
</tr>
<tr>
<td>75</td>
<td>0-30</td>
<td>380 x 540</td>
<td>650 - 880</td>
<td>-</td>
<td>8</td>
<td>KS</td>
</tr>
<tr>
<td>75</td>
<td>-</td>
<td>380 x 540</td>
<td>650 - 880</td>
<td>-</td>
<td>8</td>
<td>KS</td>
</tr>
</tbody>
</table>
The WZW lift table for tools is a robust truck for supplying tools. With its large-diameter wheels it is especially suitable for high-load capacity. Its small dimensions make it easy to use even when space is at a premium. It is fitted with a hydraulic pump for individual adjustment to an ergonomically favourable working height.

**Standard fittings**
- Adjustable in height
- Polyamide wheels, Ø 200 mm
- Castors fitted with brakes

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<table>
<thead>
<tr>
<th>Lift table tools</th>
<th>Fassrolli</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lift table tools</strong></td>
<td><strong>Fassrolli</strong></td>
</tr>
<tr>
<td><img src="image" alt="Lift table tools" /></td>
<td><img src="image" alt="Fassrolli" /></td>
</tr>
</tbody>
</table>

The drum gripper is a robust device designed for lifting and transporting 200 l steel drums. The gripping mechanism also holds the drum securely during transport.

**Standard fittings**
- Gripping mechanism
- Wheel extension arms adjustable in width
- Front wheels Ø 200 mm
- Supplied with additional set of wheels with Ø 70 mm to allow the drum gripper to be driven under pallets.

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### Lift table for tools

**WZW**

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Usable stroke mm</th>
<th>Lift per pedal stroke mm</th>
<th>Tabletop mm</th>
<th>Wheels mm</th>
<th>Weight kg</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>660 - 960</td>
<td>30</td>
<td>600 x 600</td>
<td>Ø 200</td>
<td>75</td>
<td>WZW</td>
</tr>
</tbody>
</table>

### Fassrolli

**550**

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Usable stroke mm</th>
<th>Weight kg</th>
<th>Lift per pedal stroke mm</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>0 - 550</td>
<td>70</td>
<td>12</td>
<td>Fassrolli 550</td>
</tr>
</tbody>
</table>
The Fassboy FB 1400 drum lifter is a specially designed lift and tipping device for handling rolling hoop drums. The Fassboy drum lifter is wheeled to a standing drum which is then clamped into the drum basket. Using the hydraulic foot pump the drum is raised to the required height. This makes it easy to transport, lift, tip, mix and empty drums. The FB 1400 P drum lifter is a version with additional features. It is designed for handling steel and plastic drums of different diameters. Fassboy features:

**Standard fittings**
- Hydraulic foot pump
- Worm drive gearbox with handle to mix and empty drums
- Cylinder fitted with hose failure protection
- Large rubber wheels, Ø 200 mm
- Castor wheel fitted with brake
- Basket fitted with clamp for 200 l steel drums (FB 1400 only)
- Prism with ratchet strop for steel and plastic drums Ø 400 - 600 mm (FB 1400 P only)
**Fassboy**

### Fassboy

**1400, 1400 P**

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Usable stroke mm</th>
<th>Lift per pedal stroke mm</th>
<th>Weight kg</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>0 -1400</td>
<td>24</td>
<td>125</td>
<td>Fassboy 1400 *</td>
</tr>
<tr>
<td>300</td>
<td>0 -1400</td>
<td>24</td>
<td>125</td>
<td>Fassboy 1400 P **</td>
</tr>
</tbody>
</table>

* for 200 l steel drums  
** for steel and plastic drums

### Accessories

1. Drum lifters 1400 und 1400 P fitted with explosion protection  
   (Zone 1 and 2 / T 3)
2. Drum lifter with extra high stroke of up to 2000 mm (4 wheels)
3. Chain instead of crank-handle drive
4. Voltage 12 V instead of foot pump  
   Supplied with battery but without battery charger
5. Voltage 230 V instead of foot pump
6. Voltage 400 V instead of foot pump

7. External battery charger (automatic)  
   Charging current 10 amps. max.
8. Integrated battery charger (automatic)  
   Charging current 7 amps. max.
The FW and FW P drum turners are designed as add-ons for fork lift trucks. The drum basket and the gearbox are identical with those of the drum lifter. The drum turner can lift, transport and tip drums. The handle is used for mixing and tipping operations.

**Standard fittings**

- Slip clutch (protection against damage)
- Worm drive gearbox with crank handle for mixing and emptying operations
- Basket fitted with clamp for 200 l steel drums (FW)
- Prism with ratchet strop for steel and plastic drums Ø 400 - 600 mm (FW-P)

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Weight kg</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>80</td>
<td>Fasswender FW *</td>
</tr>
<tr>
<td>300</td>
<td>80</td>
<td>Fasswender FW-P **</td>
</tr>
</tbody>
</table>

* for 200 l steel drums
** for steel and plastic drums

**Get to the drums**

GRUSE’s 90° tilter is one of many special designs developed for special applications in industrial and trade settings. Very heavy items need to be rotated and loaded. The 90° tilter enables safe rotation of items with weights of up to three tons. A 90° tilter like this improves safety at work and increases output. 90° tilters can be fitted with many special design options.
Dustbin tipper MT 240

Ideal for handling waste

The dustbin tipper is a special device used to tip and empty standard 240 l dustbins. It can be retrofitted with add-on parts for plastic 60-80-120-140 l or 240 l aluminium bins.

Standard fittings

- Foot pump
- Approx. 39 pedal strokes to reach maximum angle
- Stainless steel carrier slides
- Maximum load-bearing capacity: 150 kg
- Rubber castors and wheels Ø 200 mm
- Castors fitted with brakes
- Tipping angle 130° max.
- Tipping height 1300 mm
- Outer dimensions: L x W x H 1430 x 1100 x 1635

Dustbin tipper MT 240

<table>
<thead>
<tr>
<th>Load-bearing capacity</th>
<th>Tipping angle °</th>
<th>Drive</th>
<th>For bins with</th>
<th>Weight of approx. kg</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 kg</td>
<td>130</td>
<td>foot pump</td>
<td>240 l</td>
<td>120</td>
<td>MT 240</td>
</tr>
</tbody>
</table>

Accessories

1. Add-on component for 60/80/120/140 l dustbins
2. Add-on component for 240 l aluminium bins
   Clearance for assembly on carrier slide
3. 12 V drive instead of foot pump, shipped with battery but without battery charger
4. 230 V drive instead of foot pump
5. 400 V drive instead of foot pump
6. External battery charger (automatic)
   Charging current 10 amps. max.
7. Integrated battery charger
   (automatic) charging current 7 amps. max.
8. Battery capacity indicator with unit switch for 12 V units by Curtis
Our Handy provides mobility

Our Handy lifting column is designed to meet ergonomic requirements for the lifting and transporting of loads up to 250 kg. The masts are available in three different lengths.

**Standard fittings**

- Drive: foot pump or electro-hydraulic pump 12 V
- Mast made of aluminium
- Chassis and load-lifting attachments made of steel
- Castors and wheels Ø 125 bzw. 75 mm
- Castors fitted with brakes

Special attachments available on request.

### Handy

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Usable stroke mm</th>
<th>Tabletop mm</th>
<th>Drive</th>
<th>Stroke per pedal operation/lifting time</th>
<th>Dimensions mm</th>
<th>Weight kg</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>135 - 935</td>
<td>750 x 625</td>
<td>foot pump</td>
<td>20 mm</td>
<td>1260 x 625 x 1405</td>
<td>90</td>
<td>Handy 800</td>
</tr>
<tr>
<td>250</td>
<td>135 - 935</td>
<td>750 x 625</td>
<td>12 V/55 Ah</td>
<td>7 sec.</td>
<td>1260 x 625 x 1405</td>
<td>115</td>
<td>Handy 800 E</td>
</tr>
<tr>
<td>250</td>
<td>135 - 1385</td>
<td>750 x 625</td>
<td>foot pump</td>
<td>20 mm</td>
<td>1260 x 625 x 1855</td>
<td>100</td>
<td>Handy 1250</td>
</tr>
<tr>
<td>250</td>
<td>135 - 1385</td>
<td>750 x 625</td>
<td>12 V/55 Ah</td>
<td>10 sec.</td>
<td>1260 x 625 x 1855</td>
<td>155</td>
<td>Handy 1250 E</td>
</tr>
<tr>
<td>250</td>
<td>135 - 1935</td>
<td>750 x 625</td>
<td>foot pump</td>
<td>20 mm</td>
<td>1260 x 625 x 2405</td>
<td>115</td>
<td>Handy 1800</td>
</tr>
<tr>
<td>250</td>
<td>135 - 1935</td>
<td>750 x 625</td>
<td>12 V/55 Ah</td>
<td>14 sec.</td>
<td>1260 x 625 x 2405</td>
<td>135</td>
<td>Handy 1800 E</td>
</tr>
</tbody>
</table>

### Accessories

1. Drive: 230 V instead of foot pump
2. 400 V drive instead of foot pump
3. External battery charger (automatic) charging current 10 amps. max.
4. Integrated battery charger (automatic) charging power 7 amps. max.
5. Battery capacity indicator with unit switch for 12 V units, by Curtis
6. Battery capacity indicator without unit switch for 12 V devices
These assembly tables provide an ideal solution for departments involved in assembly, maintenance or packaging operations. They are indispensable assistants for work at ergonomic heights. GRUSE supplies lift tables with load-bearing capacities of 500, 1000 and 2000 kg. High flexibility allows these lift tables to be moved on their wheels to any desired location. GRUSE is absolutely committed to safety. All lift tables are manufactured to comply with the European DIN EN. Customers have a choice between assembly tables with or without fixed bearing.

Standard fittings

- Operating voltage 400 V
- Control voltage 230 V
- Inspection strut
- Dead man’s control unit with manual push button control with emergency stop on 3 m cable
- Tabletop made of smooth sheet metal
- Hose failure protection: cylinders fitted with electric check valves
- Safety rail (exception: M 500 B/FP)
Assembly Lift Tables

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Construction height (B) mm</th>
<th>Usable stroke (N) mm</th>
<th>Final height (E) mm</th>
<th>Tabletop mm</th>
<th>Sub-frame mm</th>
<th>Lifting time approx. sec.</th>
<th>Power kW</th>
<th>Weight ca. kg</th>
<th>Type</th>
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</tbody>
</table>

Other dimensions and load-bearing capacities available on request.

**Accessories**

1. 20 mm multiplex wooden surface
2. Roller conveyor, rigid, max. 1000 kg (construction height + 115 mm)
3. Roller conveyor, swivelling, max. 1000 kg (construction height + 160 mm)
4. No-stop pivot Ø 750 mm (construction height + 48 mm)
5. Sub-frame as oil collection tray (construction height + 5 mm)
6. Base with legs, subframe clearance H = 100 - 200 mm
7. Plastic wheels for subframe, Ø 100 mm clearance, only for M 500 and M 500 B
8. Anti-lift safeguard for scissor rollers
9. Adjustable limit switch 230 V hydraulic pump instead of 400 V hydraulic pump
10. Plug-in energy strip, sockets 2 x 230 V
11. Add-on for compressed air for energy strip, one _ -inch coupling unit

For the $\text{Ergo-E}$ lift table, we have the following specifications:

- **Operating voltage**: 400V
- **Construction height**: 80mm
- **Usable stroke**: 750mm
- **Load-bearing capacity**: from 600 to 1500kg
- **Loading with fork lift truck**: suitable for Euro and industrial pallets with skeleton containers
- **No inconvenient sub-frame**: easy to move
- **Platform made of 6 mm smooth sheet metal**: dead man’s control unit at hydraulic unit
- **High quality hydraulic components**: compact hydraulic unit (10 % power-on time)
- **Contact strip for foot protection**: safety in line with EN 1520
- **Maintenance-free roller bearings**

### Low-profile lift table **Ergo-E**

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Construction height (B) mm</th>
<th>Usable stroke (N) mm</th>
<th>Final height (E) mm</th>
<th>Tabletop mm</th>
<th>Sub-frame mm</th>
<th>Lifting time approx. sec.</th>
<th>Power kW</th>
<th>Weight ca. kg</th>
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</tbody>
</table>

Other dimensions and load-bearing capacities available on request.
The extremely low construction height of a mere 80 mm and the E-shaped platform can be loaded and unloaded using any commercial fork-lift truck.

**Ergonomics at work**

Loads of up to 1500 kg are safe and secure on the lift table, which can be individually adjusted to the ideal ergonomic height.

The E-shaped platform supports all three pallet dividers, thus enhancing safety at work.

The hydraulic connection outlet at the lift table platform provides for rapid action coupling.
### Low-profile lift table

**Ergo-G**

- Operating voltage 400V
- Construction height 80mm
- Usable stroke 750mm
- Load bearing capacities from 600 to 1500kg
- No pit installation required
- Loading with fork lift trucks
- Drive-on plate at the platform or for on-floor fastening
- No inconvenient sub-frame
- Platform made of 6mm smooth sheet metal
- Dead man’s control unit at hydraulic unit
- High-quality hydraulic components
- Compact hydraulic unit with 10% switch-on time
- Contact strip for foot protection
- Safety in line with EN 1520
- Maintenance-free roller bearings

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#### Standard fittings

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Construction height (B) mm</th>
<th>Usable stroke (N) mm</th>
<th>Final height (E) mm</th>
<th>Tabletop mm</th>
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<th>Power kW</th>
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<td>250</td>
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</table>

Other dimensions and load-bearing capacities available on request.
The ergonomic solution for all applications

Fork-lift or electric hoisting trucks can drive all kinds of load-carrying units onto the lift table using the drive-on plate.

The length of the 400 mm drive-on plate is designed to match the construction height of the lift table and the usable stroke of a fork-lift truck.

The drive-on plate can be supplied as a foldable device to be mounted on the platform or as a version for floor fastening.
The column lift is used in facilities where major height differences (up to 5m) have to be negotiated. The platform of the column lift is easy to load with a fork-lift truck on account of its low construction height (min. 120 mm). In contrast to the scissors lift table, usable stroke, tabletop length and construction height are independent of each other.

The column lift can be operated from three sides. The fourth side is not accessible on account of the column construction. Here the column is fastened to the wall, thus ensuring maximum stability.

GRUSE’s column lifts provide the ultimate in safety. Depending on the required lifting height they are fitted with a direct hydraulic cylinder drive or with double precision roll chains featuring a six-fold chain safety mechanism.

The platform is made of a torsion-resistant frame with a tear plate or smooth sheet metal surface. The rollers move in two highly stable heavy-duty fork-lifter profiles. The roller guides ensure smooth rolling, independently of the position of the load.
### Column lift SH

**Customised column lift SH 1-50-10**

**Available on request**
- Railing
- Loading gate
- Limit switch for automatic pulsing of stacking and destacking operations
- Contact strip for foot protection

**Other dimensions and load-bearing capacities available on request.**

<table>
<thead>
<tr>
<th>Load-bearing capacity kg</th>
<th>Usable stroke max. mm</th>
<th>Platform length mm</th>
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This electro-hydraulic pallet transfer station is ideal for industrial plants with automated conveyor systems. The GRUSE pallet transfer station is not only the most cost-effective alternative to fork-lifters but also provides for easier handling and time-saving operations. The extremely flat construction height and the integrated conveying unit that can be loaded directly with a lift truck make fork-lifters redundant.

Another cost-reducing factor is that expensive pit installations are not required on account of the ground-level design.
Pallet transfer station PAS

Standard fittings
- Load-bearing capacity up to 1500kg
- Usable stroke up to 840 mm or designed to your specifications
- Platform sizes 1200 x 800 mm and 1200 x 1000 mm
- Pallet lifting station with driven roller conveyor
- Pallet transfer station with its own drive, loading with manually operated lift trucks, non-driven central rollers
- Photocell control system
- Compact hydraulic unit with 10% switch-on time
- Wheels, fixed-bearing, scissors and cylinder bolts easy to exchange
- Safety contact strip (side protection)
- Maintenance-free roller bearings