Ergonomic Handling Solutions

Workshop Equipment Catalog
Workshop Equipment
Indispensable Helpers in Trade and Industry

Damage free Storing and Clamping of Workpieces
Schmalz workshop equipment serves as an important aid in industry and professional trades. Transport trolleys facilitate space saving storage of workpieces between individual production steps. Specifically, these trolleys are used to transport painted furniture pieces, sheets, profiles, metal/plastic components and solar panels, among other things. Vacuum workbenches and vacuum work stands round off the product range. The vacuum is switched on and off using a foot-operated switch; workpieces are clamped using suction plates and fastened in place for processing. The workbenches and work stands can be adjusted to any height to enable ergonomic working.

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Contents
Workshop Equipment from Schmalz

Transport Trolley HW 4
Transport Trolley HWZ 5
Transport Trolley HWV 6

Wall Rack WA 7

Sheet Transport Trolley PTS 250 7

Vacuum Workbench PVT 8
Vacuum Work Stand PVS 9
Vacuum Turning Bench VWT 180° 10

Vacuum Clamping System Multi-Clamp 11

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Workshop Equipment
Indispensable Helpers in Trade and Industry

Transport trolley HW
Transport trolley for careful storage and transportation of workpieces
- Shelf rods covered in solvent-resistant plastic tubes, insertable (optional)
- 4 rotatable wheels, 2 of which have locking brakes
- Distance between levels for 12 levels: 96 mm
  Distance between levels for 16 levels: 69 mm
- Length of shelf rods: 680 mm

<table>
<thead>
<tr>
<th>Type</th>
<th>Length [mm]</th>
<th>Width [mm]</th>
<th>Height [mm]</th>
<th>No. of rakes</th>
<th>No. of levels</th>
<th>Max. lift capacity [kg]</th>
<th>Weight [kg]</th>
<th>Part no.</th>
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<tbody>
<tr>
<td>Transport trolley with fixed shelf rods</td>
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Workshop Equipment
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Transport trolley HWZ

Telescopic transport trolley can be adjusted to suit workpieces of different sizes, thereby providing careful storage and transportation for flat workpieces

- Shelf rods covered in solvent-resistant plastic tubes, insertable (optional)
- 4 rotatable wheels, 2 of which have locking brakes
- Distance between racks can be adjusted infinitely, as needed
- Distance between levels for 12 levels: 96 mm
- Distance between levels for 20 levels: 47 mm
- Length of shelf rods: 680 mm
  (extended: 1,200 mm)

Accessories

<table>
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<tr>
<th>Type</th>
<th>Length [mm]</th>
<th>Width [mm]</th>
<th>Height [mm]</th>
<th>Distance between levels [mm]</th>
<th>Weight [kg]</th>
<th>Part no.</th>
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<td>1,470</td>
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<td>1,470</td>
<td>96</td>
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Workshop Equipment
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**Transport trolley HWV**

Transport trolley with very high maximum load for careful storage and transportation of workpieces

- Very robust design thanks to stable frame construction
- Shelf rods covered with solvent-resistant plastic tubes
- 4 rotatable wheels, 2 of which have locking brakes
- Easy adjustment of the rod angle with tension rods and locks on each level
- Version with 2 rakes (1 fixed, 1 movable) or 4 rakes (2 fixed, 2 movable)
- Distance between levels for 12 levels: 96 mm
  Distance between levels for 16 levels: 69 mm

**Type** | **Length [mm]** | **Width [mm]** | **Height [mm]** | **No. of rakes** | **No. of levels** | **Max. lift capacity [kg]** | **Weight [kg]** | **Part no.**
--- | --- | --- | --- | --- | --- | --- | --- | ---
HWV-580x1480-R2/16 | 1,480 | 710 | 1,650 | 2 | 16 | 260 | 56 | 15.01.01.00085
HWV-680x1480-R2/12 | 1,480 | 810 | 1,730 | 2 | 12 | 360 | 72 | 15.01.02.00029
HWV-775x1500-R2/12 | 1,500 | 925 | 1,800 | 2 | 12 | 480 | 99 | 15.01.03.00028
HWV-910x1500-R2/12 | 1,500 | 1,060 | 1,800 | 2 | 12 | 480 | 106 | 15.01.04.00043
HWV-580x1480-R4/16 | 1,480 | 710 | 1,695 | 4 | 16 | 420 | 100 | 15.01.01.00086

**Accessories**

**Type** | **Width [mm]** | **Height [mm]** | **Distance between levels [mm]** | **No. of levels** | **Max. lift capacity [kg]** | **Weight [kg]** | **Part no.**
--- | --- | --- | --- | --- | --- | --- | ---
Movable rake RB-580/16 | 580 | 1,450 | 69 | 16 | 80 | 20 | 15.01.01.00036
Movable rake RB-680/12 | 680 | 1,470 | 96 | 12 | 100 | 21 | 15.01.02.00015
Movable rake RB-775/12 | 775 | 1,470 | 96 | 12 | 240 | 22 | 15.01.03.00008
Movable rake RB-910/12 | 910 | 1,470 | 96 | 12 | 240 | 23 | 15.01.04.00007
Fixed rake RF-580/16 | 580 | 1,450 | 69 | 16 | 80 | 16 | 15.01.01.00035
Fixed rake RF-680/12 | 680 | 1,470 | 96 | 12 | 100 | 17 | 15.01.02.00014
Fixed rake RF-775/12 | 775 | 1,470 | 96 | 12 | 240 | 18 | 15.01.03.00004
Fixed rake RF-910/12 | 910 | 1,470 | 96 | 12 | 240 | 19 | 15.01.04.00006

Transport trolley HWZ for storing and transporting heavy workpieces

Transport trolley with two rakes, one of which is movable

Transport trolley with two rakes

Transport trolley with four rakes, two of which are movable
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Wall rack WA

Convenient rack for storing workpieces free of damage, can be mounted on the wall
- Bracket for simple wall mounting, shipment incl. drilling template
- Space-saving thanks to swiveling rakes, can be expanded to include additional rakes
- Shelf rods covered in solvent-resistant plastic tubes, insertable (optional)
- Length of shelf rods: 680 mm

<table>
<thead>
<tr>
<th>Type</th>
<th>No. of rakes</th>
<th>Width [mm]</th>
<th>Height [mm]</th>
<th>Distance between levels</th>
<th>No. of levels</th>
<th>Max. lift capacity [kg]</th>
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<td>120</td>
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<td>96</td>
<td>12</td>
<td>120</td>
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</table>

Sheet transport trolley PTS 250

Transport trolley for loading and unloading table and upright saws
- Infinitely variable lifting and lowering of workpiece with easy-to-use trolley lifter
- Mechanical swiveling unit to swivel workpieces from a vertical position to horizontal position and vice versa
- Easy transportation thanks to 4 rotatable wheels, 2 of which have locking brakes
- Maximum sheet size: 5,200 x 2,100 mm, contact surface is infinitely adjustable

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<td>PTS-250-2000x950</td>
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<td>950</td>
<td>1,632</td>
<td>180-325</td>
<td>915-1,180</td>
<td>250</td>
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</table>

www.schmalz.com/wa

www.schmalz.com/pts
Workshop Equipment
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Vacuum workbench PVT

Mechanical handling without re-clamping the workpiece
- Swiveling the workpiece 90° left and right, manual locking in 45° increments
- Foot pedal for swiveling and releasing the workpiece
- Pneumatic or electrical vacuum generation, with energy saving regulation (optional)
- Sensing valve activates vacuum after the workpiece is in position, unused suction plates remain closed
- Voltage AC 230 V with electrical vacuum generation
- Dimensions of workbench:
  Length: 1,240 mm
  Width: 490 mm
  Height: 670 mm to 1,020 mm (infinitely adjustable)

The vacuum workbench PVT is constructed based on a modular system. This allows the workbench to be adjusted to suit the individual requirements of the application.

Our system consultants would be happy to offer additional help: tel. +49 7443 2403 108.
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Vacuum work stand PVS

Mechanical handling without re-clamping the workpiece
- Workpiece can be rotated continuously, clamped in any position and swiveled by 90° into a vertical position
- Foot pedal for clamping and releasing the workpiece
- Pneumatic or electrical vacuum generation, with energy-saving regulation (optional)
- Sensing valve activates vacuum after the workpiece is in position, unused suction plates remain closed
- Voltage AC 230 V with electrical vacuum generation
- Dimensions of work stand:
  Length: 300 mm
  Width: 300 mm
  Height: 750 mm to 1,100 mm (infinitely adjustable)

Vacuum work stand PVS for handling smaller workpieces

Vacuum work stand with one suction plate and ejector SEG
Vacuum work stand with two suction plates and ejector SEG
Vacuum work stand with four suction plates and ejector SEG
Vacuum work stand with one suction plate and vacuum pump EVE

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<td>SPL-250</td>
<td>Ejector SEG</td>
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<td>90</td>
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<td>SPL-300x100</td>
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<td>Pump EVE</td>
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</table>

The vacuum work stand PVS is constructed based on a modular system. This allows the stand to be adjusted to suit the individual requirements of the application.

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www.schmalz.com/pvs
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Vacuum reversing table VWT 180°

For processing large format panel material on the top and bottom without re-clamping the workpiece:
- Unhandy workpieces can be turned by 180°; workpieces are turned continuously within ten seconds.
- All controls integrated in operating stand.
- Safe operation thanks to acoustic warning device and large vacuum reservoir.
- It is only possible to release the workpiece once it has reached the end position.
- Voltage: AC 400 V.
- Max. workpiece size:
  - Length: 3,000 mm
  - Width: 2,000 mm
  - Height: 50 mm

![Vacuum reversing table VWT 180° for swiveling workpieces](image)

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<tr>
<th>Type</th>
<th>Length [mm]</th>
<th>Width [mm]</th>
<th>Height [mm]</th>
<th>Suction plates</th>
<th>Max. lift capacity [kg]</th>
<th>Weight [kg]</th>
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www.schmalz.com/vwt

Vacuum Handling Systems
Loading CNC Machining Centers Ergonomically

Vacuum handling systems from Schmalz have been a tried-and-tested feature of the woodworking industry for a number of decades. Ergonomic and secure handling of workpieces rationalizes the loading of CNC machining centers and panel saws.

Individually-tailored handling solutions from a single source:
- Ergonomic vacuum lifters (tube lifter Jumbo or lifting device VacuMaster)
- Lightweight aluminum cranes (crane systems or jib cranes)
- Comprehensive services ranging from consultation and project planning up to assembly and commissioning.

www.schmalz.com/handling-systems
Vacuum Clamping System Multi-Clamp

Everything at a Glance

Application

- Multi-functional vacuum clamping system for manual machining steps, such as sawing, grinding, drilling or screwing
- Insert for the machining of small to medium-sized workpieces and the fitting of compact assemblies
- The workpieces can be fixed in any position and machined all-round without the need to reclamp
- The Multi-Clamp can be secured to almost any even surface (using screws or by sucking)

Multi-Clamp suction plate VC-M-SP / VC-M-SPV as a stand alone solution

- Multi-Clamp suction plate VC-M-SP with integrated vacuum generation (ejector)
- Multi-Clamp suction plate VC-M-SPV for operation with external vacuum generation (e.g. Multi-Clamp vacuum pump)

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Multi-Clamp VC-M with integrated vacuum generation

- Complete system consisting of rotating and swiveling unit Multi-Base VC-M-B and Multi-Clamp suction plate VC-M-SP 160x160

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</table>

Multi-Clamp VC-M-V for operation with external vacuum generation

- Complete system consisting of rotating and swiveling unit Multi-Base VC-M-BV and Multi-Clamp suction plate VC-M-SPV 160x160
- Multi-Base VC-M-BV with suction capable base plate and manual slide valve for quick activation and deactivation of the vacuum
- Vacuum generation requires an additional vacuum pump VC-M-PU

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### Return address/billing address

- **Company**
- **Name**
- **Department**
- **Street**
- **Post code/City**
- **Phone**
- **E-mail**

### Delivery address (if different from return address)

- **Company**
- **Name of recipient**
- **Department**
- **Street**
- **Post code/City**
- **Phone**
- **E-mail**

### Customer no. if known:

- [ ]
- [ ]
- [ ]
- [ ]

### Quantity | Item designation
---|---

### Part no. | Item price in €
---|---

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- **Company stamp**

- **Surname, First name**
  - [ ] I agree to the storing and processing of my personal data for consultative purposes.
  - [ ] I would like to receive future information concerning current offers and new products via e-mail.

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City, Date | Signature
---|---

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