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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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>
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</table>
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: 1200 mm)

<table>
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<tr>
<th>Type</th>
<th>Min. length [mm]</th>
<th>Max. length [mm]</th>
<th>Width [mm]</th>
<th>Height [mm]</th>
<th>No. of racks</th>
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<th>Weight [kg]</th>
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Accessories

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<th>Length [mm]</th>
<th>Width [mm]</th>
<th>Height [mm]</th>
<th>Distance between levels [mm]</th>
<th>Weight [kg]</th>
<th>Item no.</th>
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Workshop Equipment
Indispensable Helpers in Trade and Industry

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
<table>
<thead>
<tr>
<th>Length [mm]</th>
<th>Width [mm]</th>
<th>Height [mm]</th>
<th>No. of rakes</th>
<th>No. of levels</th>
<th>Max. load [kg]</th>
<th>Weight [kg]</th>
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### Accessories

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<th>No. of levels</th>
<th>Maximum load [kg]</th>
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<td>240</td>
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Workshop Equipment
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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

Wall rack WA (2 pc. shown) for storing workpieces

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<tr>
<th>Type</th>
<th>No. of rakes</th>
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<th>Height [mm]</th>
<th>Distance between levels</th>
<th>No. of levels</th>
<th>Max. load [kg]</th>
<th>Weight [kg]</th>
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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: 5200 x 2100 mm, contact surface is infinitely adjustable

Sheet transport trolley PTS 250 for lifting sheets from upright storage

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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: 1240 mm
  - Width: 490 mm
  - Height: 670 mm to 1020 mm (infinitely adjustable)

Vacuum workbench PVT for handling wooden boards

Vacuum workbench with two suction plates and ejector SEG

Vacuum workbench with two suction plates and vacuum pump EVE

Vacuum workbench with four suction plates and ejector SEG

With extension for large workpieces (optional)

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</table>

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 +49 (0) 7443 2403 301
**Workshop Equipment**

**Indispensable Helpers in Trade and Industry**

**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 1100 mm (infinitely adjustable)

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.

Our system consultants would be happy to offer additional help +49 (0) 7443 2403 301
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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: 3000 mm
  - Width: 2000 mm
  - Height: 50 mm

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<th>Type</th>
<th>Length [mm]</th>
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<th>Height [mm]</th>
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<td>150</td>
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More Handling Solutions

Vacuum tube lifters and lifting devices
Manually operated vacuum tube lifters and lifting devices simplify production processes and facilitate easy handling of workpieces.

Jib cranes and crane systems
Easy-to-move aluminum cranes and crane systems for different work areas and load classes optimize the in-house material flow.

Contact
Do you have questions or would you like to learn more about our products? Our specialists would be happy to help you.

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D-72293 Glatten
Tel. +49 (0)7443 2403 301
handhabungssysteme@schmalz.de

www.schmalz.com
Vacuum clamping systems

Innovative and Efficient

Schmalz clamping solutions for manual processing of workpieces offer the highest level of safety and flexibility. The clamping solutions are attached directly to the workbench or the machining table and held in place using vacuum or mechanically using screws.

**Multi-Clamp suction plate VC-M-SP(V)**

The Multi-Clamp suction plate is attached to the workbench using vacuum or screwed into place. The suction plate holds the workpiece in place securely and reliably using vacuum. Multiple Multi-Clamp suction plates placed next to one another can be used to clamp even large workpieces.

The Multi-Clamp suction plate is available with an integrated vacuum generator or designed for operation with an external vacuum pump.

With the basic module Multi-Base VC-M-B, the suction plate can be expanded to the complete system Multi-Clamp VC-M(V) at any time.

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<td>Multi-Clamp suction plate VC-M-SPV 160x160</td>
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<td>-</td>
<td>-</td>
<td>0.7</td>
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</table>

* With integrated, pneumatic ejector

**Vacuum clamping system Multi-Clamp VC-M-B(V)**

The vacuum clamping system Multi-Clamp is the perfect tool for ergonomic clamping of small and medium-sized workpieces. Multi-Clamp can be used to process workpieces on all sides without re-clamping the workpiece.

The clamping system Multi-Clamp VC-M also includes the turn and swivel fixture Multi-Base VC-M-B. This feature can be used to turn the wood pieces continuously by 360° and swivel the workpiece by 90° to the left and right. The Multi-Base can be fixed in any position using a clamping lever.

<table>
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<tbody>
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<td>Complete system Multi-Clamp VC-M*</td>
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* Scope of delivery: Multi-Base VC-M-B, Multi-Clamp suction plate VC-M-SP 160 x 160, hose set with ball valve and sealing profile

** Scope of delivery: Multi-Base VC-M-BV, Multi-Clamp suction plate VC-M-SPV 160 x 160, hose set with ball valve and sealing profile
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