



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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All prices and benefits are based on the general business terms and conditions which can be downloaded from our web site www.schmalz.com/terms or requested directly from us.

Workshop Equipment

Indispensable Helpers in Trade and Industry

Transport trolley HW

 www.schmalz.com/hw



Transport trolley HW for storing and transporting workpieces

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



Transport trolley with two rakes



Transport trolley with four rakes



Space-saving storage



Insertable shelf rods

Type	Length [mm]	Width [mm]	Height [mm]	No. of rakes	No. of levels	Max. load [kg]	Weight [kg]	Item no.
Transport trolley with fixed shelf rods								
HW-680x1380-R2/12	1380	790	1677	2	12	240	47	15.02.01.00068
HW-680x1380-R2/16	1380	790	1677	2	16	240	51	15.02.01.00074
HW-680x1380-R4/12	1380	790	1677	4	12	300	77	15.02.01.00069
HW-680x1380-R4/16	1380	790	1677	4	16	300	81	15.02.01.00075
Transport trolley with insertable shelf rods								
HW-680x1380-R2/12-STE	1380	790	1677	2	12	240	47	15.02.01.00084
HW-680x1380-R2/16-STE	1380	790	1677	2	16	240	51	15.02.01.00086
HW-680x1380-R4/12-STE	1380	790	1677	4	12	300	77	15.02.01.00085
HW-680x1380-R4/16-STE	1380	790	1677	4	16	300	81	15.02.01.00087

Workshop Equipment

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Transport trolley HWZ

 www.schmalz.com/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)

Transport trolley HWZ for storing and transporting workpieces



Transport trolley with extendable levels



Infinitely adjustable transport trolley with three racks



Transport trolley DUO, can be loaded from both sides



Transport trolleys space-saving storable

Type	Min. length [mm]	Max. length [mm]	Width [mm]	Height [mm]	No. of racks	No. of levels	Max. load [kg]	Weight [kg]	Item no.
Transport trolley with fixed or insertable shelf rods (STE)									
HWZ-680x1390-R2/12	380	1390	790	1677	2	12	240	48	15.02.02.00038
HWZ-680x1390-R2/12-STE	380	1390	790	1677	2	12	240	48	15.02.02.00039
HWZ-680x2670-R3/12	670	2670	790	1677	3	12	360	75	15.02.02.00040
HWZ-680x2670-R3/12-STE	670	2670	790	1677	3	12	360	75	15.02.02.00041
Transport trolley (20 levels which can be loaded from one side or 10 which can be loaded from both sides)									
HWZ-680x1390-R2/20-DUO	380	1390	935	1640	2	20	240	60	15.02.03.00035
Transport trolley, loadable from both sides (12 levels 1200 mm one side (extended) or 12 levels 680 mm both sides (retracted))									
HWZ-1200x2235-R2/12/24-A	390	2235	1120	1677	2	12/24	240	75	15.02.03.00033
HWZ-1200x2235-R4/12/24-A	390	2235	1120	1677	4	12/24	300	130	15.02.03.00034

Accessories

Type	Length [mm]	Width [mm]	Height [mm]	Distance between levels	Weight [kg]	Item no.
Movable rake RB-680/24/12	-	680	1470	96	16	15.02.03.00016
Movable rake RB-675/12-STE	-	675	1470	96	13	15.02.01.00082
Connecting tube ROHR 26.9x3.2x1800 HW	1800	-	-	-	2	15.02.03.00022

Workshop Equipment

Indispensable Helpers in Trade and Industry

Transport trolley HWV

 www.schmalz.com/hwv



Transport trolley HWZ for storing and transporting heavy workpieces

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



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

Type	Length [mm]	Width [mm]	Height [mm]	No. of rakes	No. of levels	Max. load [kg]	Weight [kg]	Item no.
Transport trolley with special robust design								
HWV-580x1480-R2/16	1480	710	1650	2	16	260	56	15.01.01.00085
HWV-680x1480-R2/12	1480	810	1730	2	12	360	72	15.01.02.00029
HWV-775x1500-R2/12	1500	925	1800	2	12	480	99	15.01.03.00028
HWV-910x1500-R2/12	1500	1060	1800	2	12	480	106	15.01.04.00043
HWV-580x1480-R4/16	1480	710	1695	4	16	420	100	15.01.01.00086

Accessories

Type	Width [mm]	Height [mm]	Distance between levels	No. of levels	Maximum load [kg]	Weight [kg]	Item no.
Movable rake RB-580/16	580	1450	69	16	80	20	15.01.01.00036
Movable rake RB-680/12	680	1470	96	12	100	21	15.01.02.00015
Movable rake RB-775/12	775	1470	96	12	240	22	15.01.03.00008
Movable rake RB-910/12	910	1470	96	12	240	23	15.01.04.00007
Fixed rake RF-580/16	580	1450	69	16	80	16	15.01.01.00035
Fixed rake RF-680/12	680	1470	96	12	100	17	15.01.02.00014
Fixed rake RF-775/12	775	1470	96	12	240	18	15.01.03.00004
Fixed rake RF-910/12	910	1470	96	12	240	19	15.01.04.00006

Workshop Equipment

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Wall rack WA

www.schmalz.com/wa



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

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

Type	No. of rakes	Width [mm]	Height [mm]	Distance between levels	No. of levels	Max. load [kg]	Weight [kg]	Item no.
Wall rack WA-680/12	1	775	1520	96	12	120	18	15.02.04.00013
Wall rack WA-680/12-STE	1	790	1740	96	12	120	18	15.02.04.00008

Sheet transport trolley PTS 250

www.schmalz.com/pts



Sheet transport trolley PTS 250 for lifting sheets from upright storage

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

Type	Length [mm]	Width [mm]	Max. height [mm]	Support height vertical [mm]	Support height horizontal [mm]	Max. load [kg]	Weight [kg]	Item no.
PTS-250-2000x950	2000	950	1632	130-325	900-1.095	250	100	15.06.03.00001

Workshop Equipment

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Vacuum workbench PVT

www.schmalz.com/pvt



Vacuum workbench PVT for handling wooden boards

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 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)

Type	Suction plates	Suction plate type [mm]	Vacuum generation	Operating pressure [bar]	Max. load [kg]	Weight [kg]	Item no.
PVT-2-SPL-300x100-VE SEG-4	2	SPL 300x100	Ejector SEG	5	90	47	13.02.01.10125
PVT-2-SPL-300x100-VER EVE-4	2	SPL 300x100	Pump EVE	-	90	55	13.02.01.10553
PVT-4-SPL-300x100-VE SEG-4	4	SPL 300x100	Ejector SEG	5	180	52	13.02.01.10170

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

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Vacuum work stand PVS

www.schmalz.com/pvs



Vacuum work stand PVS for handling smaller workpieces

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)



Vacuum work stand with one suction plate and ejector SEG



Vacuum work stand with two suction plates and ejector SEG



Vacuum work stand with one suction plate and vacuum pump EVE



Vacuum work stand with four suction plates and ejector SEG

Type	Suction plates	Suction plate type [mm]	Vacuum generation	Operating pressure [bar]	Max. load [kg]	Weight [kg]	Item no.
PVS-1-SPL-250 VE SEG-4	1	SPL-250	Ejector SEG	5	90	34	13.01.01.10100
PVS-2-SPL-300x100-VE SEG-4	2	SPL-300x100	Ejector SEG	5	90	38	13.01.01.10117
PVS-1-SPL-250-VER EVE-4	1	SPL-250	Pump EVE	-	90	42	13.01.01.10230
PVS-4-SPL-300x100-VE SEG-4	4	SPL-300x100	Ejector SEG	5	100	42	13.01.01.10118

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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Workshop Equipment

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Vacuum reversing table VWT 180°

 www.schmalz.com/vwt



Vacuum reversing table VWT 180° for swiveling workpieces

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

Type	Length [mm]	Width [mm]	Height [mm]	Suction plates	Max.load [kg]	Weight [kg]	Item no.
VWT-150-180-4-SPU-210-TR-16	2670	1650	1510	4	150	500	13.02.01.10372

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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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)

www.schmalz.com/vc-m-sp



Multi-Clamp suction plate for clamping workpieces directly onto the workbench

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.

Type	Max. vacuum [mbar]	Air consumption [l/min]	Max. suction capacity [m ³ /h]	Weight [kg]	Item no.
Multi-Clamp suction plate VC-M-SP 160x160*	-850	48	2.3	0.7	10.01.12.01836
Multi-Clamp suction plate VC-M-SPV 160x160	-	-	-	0.7	10.01.12.01853

* With integrated, pneumatic ejector

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

www.schmalz.com/vc-m-b



Vacuum clamping system Multi-Clamp can be used to clamp and swivel workpieces directly on the workbench

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.

Type	Max. vacuum [mbar]	Air consumption [l/min]	Max. suction capacity [m ³ /h]	Weight [kg]	Item no.
Complete system Multi-Clamp VC-M*	-850	48	2.3	4.6	10.01.12.01845
Multi-Base VC-M-B	-	-	-	3.9	10.01.12.01854
Complete system Multi-Clamp VC-M-V**	-	-	-	4.7	10.01.12.01852
Multi-Base VC-M-BV	-	-	-	4.1	10.01.12.02050

* 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



Vacuum Components

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Vacuum Gripping Systems

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Vacuum Handling Systems

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Vacuum Clamping Systems

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