



Intelligent assembly
units increase your

Efficiency



ERGONOMIC WORKSTATION SYSTEMS

Increasing efficiency through
intelligent assembly units

Ergonomic workstation systems – protecting employees, increasing efficiency, staying competitive

The term “ergonomics” has established itself in recent years as an essential concept in the working world. The driving force behind it is demographic change. Employees in the 50+ generation make up an increasingly large proportion of staff – in workshops and assembly operations. This has consequences for commercial work processes.

People who carry out a physically strenuous activity over an extended period must be protected from negative aspects of their work. Employees can easily become the weakest link in the production chain if their workstations require unnatural movements or cause postural injuries. This reduces their efficiency, leads to more sick days and high staff turnover. It is not possible to work efficiently under these conditions.

The answer to this problem are ergonomically designed work environments that allow employees to provide improved performance in the long-term. This pays off with a higher level of efficiency, as well as improving the working environment and staff motivation.

Ergonomic solutions are therefore not a luxury but a logical consequence of changing conditions. Companies that recognise this at an early stage are already a significant step ahead of the competition. And SSI SCHAEFER provides the solution for increasing this advantage even further.

This is because SSI SCHAEFER is a pioneer in the field of ergonomic workstations. The products and solutions in this catalogue are the result of many years of research and practical experience.





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SSI SCHAEFER: No. 1 in ergonomics for the workstation

Both in the distribution centre and in assembly operations, staff costs are typically at least 50% of the costs. Manual activities with high overall stress on the human body lead to decreasing performance, increased susceptibility to errors as well as sick leave. It is precisely these factors that the ergonomics@work!® concept from SSI SCHAEFER targets. Optimal processes with minimal physical activity not only increase productivity, but improve quality while simultaneously reducing processing time.

Planning and developing with ergonomics@work!®

It is simply not possible to achieve maximum efficiency with just one measure. The main focus of research and development at SSI SCHAEFER are therefore the processes and equipment as a whole. Their precise analysis increases those potentials that secure SSI SCHAEFER workstations a leading position on the market.

ergonomics@work!® is an important part of the design and planning of systems and workstations at SSI SCHAEFER.

ergonomics@work!® combines human movements and innovative technologies.



ergonomics@work!® delivers specific results:

- ▶ Reduction of non-productive activities
- ▶ Productivity increase normally up to 20%
- ▶ Further reduction in the error quota
- ▶ Reduction of order throughput time
- ▶ Reduction in sick days and absences
- ▶ Avoids health risks

One strategy with 3 winners: ergonomics@work!®

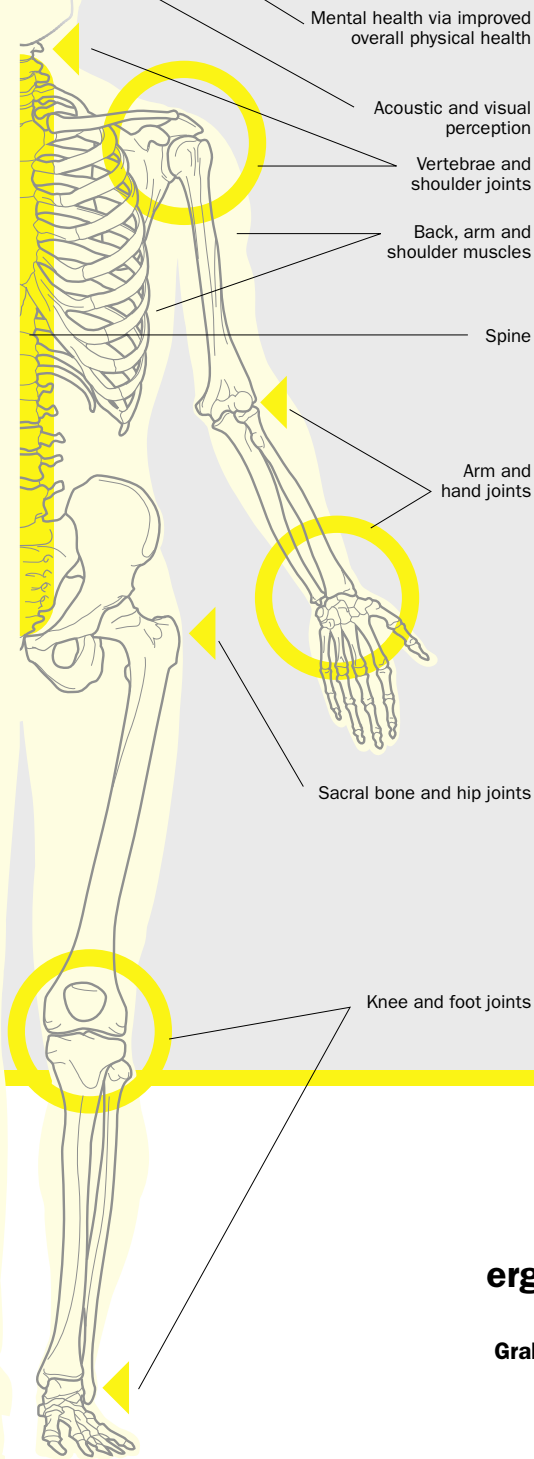
SSI SCHAEFER also sets the standards where technology meets people. Optimising the human/machine interface requires the comprehensive testing of all processes and basic conditions: an activity is then highly efficient and guarantees high quality, is easy to handle and follows clear processes.

ergonomics@work!®, the SSI SCHAEFER strategy for designing workstations that optimally integrate potential natural human movements. A strategy with 3 winners:

- ▶ **Staff.** Ergonomically designed workstations and processes are not beneficial to health. **ergonomics@work!®** increases the pleasure from working, reduces effort and raises motivation. The workstation adapts to the person, and not the other way around.

- ▶ **Operation.** In many ways, the operation profits from **ergonomics@work!®** workstations: productivity increases in the two-digit percentage range and reduces costs accordingly. Quality increases based on the lower fatigue level of the employees as well as a clearly structured user guidance system. Finally the higher level of efficiency also results in shorter order processing times. This means that **ergonomics@work!®** is primarily one thing: the most efficient solution.
- ▶ **Customers.** Due to the increased quality level and additional safety levels, **ergonomics@work!®** optimises your customer service: They further reduce the error quota, lowering the corresponding cost to your customer, and move any returns into Sales even faster.

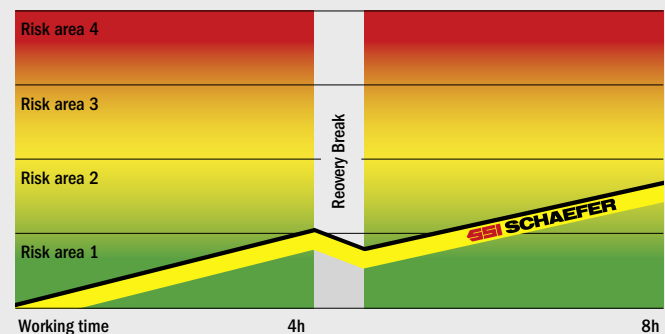
Potential for reducing workload with ergonomically optimised working conditions



Load curve:

The diagram below is based on a working time of 8 hours and illustrates that the ergonomics@work!® workstations from SSI SCHAEFER have low total loads and therefore considerably lower, health risks.

SSI SCHAEFER ergonomics@work!® workstations



Evaluation table

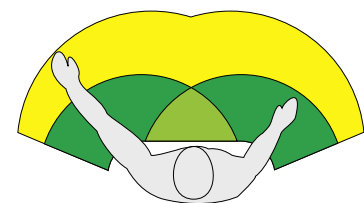
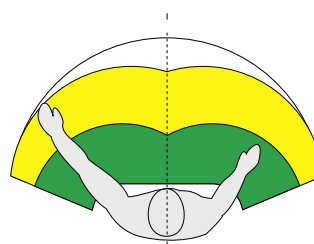
Risk area	Point value	Description
1	<10	Low load, risk to health due to physical overload is unlikely.
2	10 to <25	Moderate load, physical overload is possible for persons only able to handle reduced loads. Special design measures are appropriate for this group of people.
3	25 to <50	Increased load, physical overload is possible for persons only able to handle normal loads. Design measures are displayed.
4	≥50	High loading, physical overload is probable. Design measures are required.

ergonomics@work!® is largely barrier-free

Grab areas

Symmetric level

Work zones



- Small reach area
- Physiologically maximum reach area
- Geometrically maximum reach area

- One-handed zone
- Two-handed zone
- Expanded working area

Due to their high quality, the ergonomics@work!® workstations also offer people with disabilities the opportunity to develop their potential. From an occupational medical perspective, however, it may sometimes be appropriate to limit working hours depending on the degree of restriction.

Workstation systems

Performance-enhancing work environments should be taken for granted these days. This is because employees can only provide excellent work output at the workstation when they feel comfortable. In practise, it is often the case that companies have a considerable amount of unexploited potential here.

SSI SCHAEFER has developed a collection of workstation systems that meet all the requirements of modern, ergonomic workstations and that are designed to meet the requirements of the workplace down to the smallest detail.

These workbenches and worktables are designed in line with practical considerations and have already proven their everyday compatibility in a large number of applications.

This functional, clean design and high quality materials make these workspace solutions extremely robust and durable. In addition, the tables and workbenches are modifiable and can be easily adapted to existing work environments.

With a wide selection of ergonomic accessories such as shelves, pivot arm elements, lighting, screen and keyboard holders, the workbenches and assembly tables can be set up for specific production task.





The “human/machine” interface in materials provision according to the “goods to person” in principle must be designed so that the employees on the assembly station are able to handle the high performance of upstream automated systems quickly and correctly.

This also means that the tools and utensils that are required for installation are always kept readily at hand. This means that everything important is directly within reach and employees do not lose any time finding and purchasing equipment.

Overall, the workstation systems from SSI SCHAEFER create a realistic, results-oriented work environment, both increasing staff efficiency and setting new standards for ergonomics and safety.



Further information

upon request

Table system PLANTEC WORK – infinitely height adjustable

- ▶ **Infinitely height adjustable variable working height from 680 – 960 mm**
- ▶ **For medium loads**
load capacity up to 150 kg
- ▶ **3 table widths**
1,200, 1,600 and 2,000 mm
- ▶ **Table frame**
High quality powder coating RAL 9006, white aluminium
- ▶ **Stable table structure**
the upright supports are bolted directly to the pedestals via a crossbar
- ▶ **2 structure widths**
in 800 or 1,200 mm module width, can be moved sideways individually
- ▶ **Plastic cable terminal**
underneath the table top
- ▶ **Comprehensive range of accessories**





LIGHT GREY MAPLE MULTIPLEX



► Table tops in a choice of 3 versions

Synthetic resin-coated panel/maple panel

made from highly compressed three-layer fine quality chipboard (acc. to DIN 68675, emission class 1) offer a high level of resistance. The 2.5 mm thick ABS edge and the surface finish are resistant to most acids, alkalis and hot cigarette ash. Surface thickness 30 mm.

Multiplex table top made from high quality beech veneer, quality I/II, multi-layered, bonded, waterproof and polished. Absolutely rigid, crack-resistant, resistant to high temperatures and mechanical stresses. Largely insensitive to oil, grease, organic solvents, weak acids and alkalis. Surface thickness 30 mm. Oiled surface.



ESD-compatible table tops

upon request

PLANTEC WORK – Tables and accessories



Worktable PLANTEC WORK

With infinitely height adjustable table frame. Adjustable working heights from 680 – 960 mm. Load capacity up to max. 150 kg. Choice of 3 table tops. Table frame, powder-coated, white aluminium RAL 9006, with floor levelling feet.

Article	Table dimensions W x D (mm)	Order no.
AST18-1280P	1,200 x 800	196215 196216 196217
AST18-1680P	1,600 x 800	196219 196220 196221
AST18-2080P	2,000 x 800	196502 196503 196504



Workbench PLANTEC WORK with upright supports

With infinitely height adjustable table frame. Adjustable working heights from 680 – 960 mm. Load capacity up to max. 150 kg. Choice of 3 table tops. Table frame, powder-coated, white aluminium RAL 9006, with floor levelling feet.

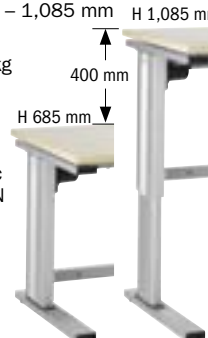
The upright supports can be fastened in a 800 or 1,200 mm module width (only with 1,600/2,000 mm table widths) and are bolted directly to the pedestals via a crossbar.

Surface: white aluminium RAL 9006.

Article	Table dimensions W x D (mm)	Order no.
AST18-1280PA	1,200 x 800	196506 196507 196508
AST18-1680PA	1,600 x 800	196511 196512 196513
AST18-2080PA	2,000 x 800	196515 196516 196517

PROFI LIFT table system – electrically height adjustable

- ▶ **Electrically height adjustable**
variable working heights from 685 – 1,085 mm
- ▶ **For heavy loads**
dynamic load capacity up to 300 kg
- ▶ **3 table widths**
1,200, 1,600 and 2,000 mm
- ▶ **Table frame**
high stability aluminium telescopic guide, self-inhibiting up to 4,000 N
- ▶ **Stable table structure**
the upright supports are bolted directly to the pedestals via a crossbar
- ▶ **2 structure widths**
the upright supports can be fitted at intervals of 800 or 1,200 mm
- ▶ **Foldable cable duct**
horizontal cable duct, can be folded upwards, made from steel plate. For tidy cable guidance
- ▶ **Comprehensive range of accessories**





LIGHT GREY MAPLE MULTIPLEX



► Table tops in a choice of 3 versions

Synthetic resin-coated panel/maple panel

made from highly compressed three-layer fine quality chipboard (acc. to DIN 68675, emission class 1) offer a high level of resistance. The 2.5 mm thick ABS edge and the surface finish are resistant to most acids, alkalis and hot cigarette ash. Surface thickness 30 mm.

Multiplex table top made from high quality grade beech veneer, I/II quality multi-layered varnish, waterproof and polished. Absolutely rigid, crack-resistant, resistant to high temperatures and mechanical stresses. Largely insensitive to oil, grease, organic solvents, weak acids and alkalis. Surface thickness 30 mm. Oiled surface.



ESD-compatible table tops




upon request

PROFI LIFT – Tables and accessories



Workbench PROFI LIFT

Electrical height adjustment. Simple operation at the touch of a button, runs absolutely parallel. Height adjustable from 685 – 1,085 mm. Dynamic load capacity up to max. 300 kg. Choice of 3 table tops. Table frame with high stability aluminium telescopic guide, self-inhibiting up to 4,000 N.




Article	Table dimensions W x D (mm)	Order no.
		  
PL-1280P	1,200 x 800	196191 196192 196193
PL-1680P	1,600 x 800	196195 196196 196197
PL-2080P	2,000 x 800	196199 196200 196201



Workbench PROFI LIFT with upright supports

Electrical height adjustment. Simple operation at the touch of a button, runs absolutely parallel. Height adjustable from 685 – 1,085 mm. Dynamic load capacity up to max. 300 kg. Choice of 3 table tops. Table frame with high stability aluminium telescopic guide, self-inhibiting up to 4,000 N.

The upright supports are bolted directly to the pedestals via a crossbar. 2 structure widths of 800 and 1,200 mm can be chosen (only with 1,600/2,000 mm table widths). Table structure surface: Powder-coated, white aluminium RAL 9006.

Article	Table dimensions W x D (mm)	Order no.
		  
PL-1280A	1,200 x 800	196203 196204 196205
PL-1680A	1,600 x 800	196207 196208 196209
PL-2080A	2,000 x 800	196211 196212 196213

System design – PLANTEC WORK and PROFI LIFT



- **Modular system**
- **Two system widths**
- **Table design has a load capacity up to 100 kg**
- **Extendable at any time**
- **Can be combined with a wide range of SSI SCHAEFER components**
- **Comprehensive range of accessories**



Set of workstation lamps

2 x 36 W TC-L with light grille, silver and white reflector with assembled fixing set. Low-loss preselector unit, inductive. Including connection cable and brackets for fixing to the back panel uprights. Silver, powder-coated.

Article	for assembly width (mm)	Order no.
AST LS 800	800	196128
AST LS 1200	1,200	196129



Running rail set

C profile 32 x 32 mm, galvanised. For storing spring balancers and tools. Including tool trolleys and brackets for fixing to the back panel uprights.

Article	for assembly width (mm)	Order no.
AST LF 800	800	196519
AST LF 1200	1,200	196521
WZW	Tool trolley	108861



Workstation lights/ set of running rails

Complete package with workstation lights and running rails. Including connection cable, tool trolley and brackets for fixing to the back panel uprights.

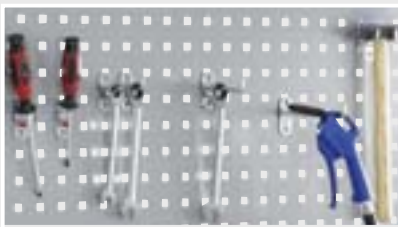
Article	for assembly width (mm)	Order no.
AST CO 800	800	196522
AST CO 1200	1,200	196523
WZW	Tool trolley	108861



Pivoting side beam

For fixing to the upright, C profile 32 x 32 mm, galvanised, pivot range approx. 180°. Tool trolleys on double ball bearings.

Article	Length (mm)	Order no.
C-AL50 PW	500	333442
C-AL75 PW	750	333443
WZW	Tool trolley	108861



Perforated back panels

For bolting onto the back panel uprights. With 10 rows of square holes. Powder-coated, white aluminium RAL 9006. Height 380 mm. For corresponding tool holder, see page 25.

Article	for assembly width (mm)	Order no.
LRW 800	800	196109
LRW 1200	1,200	196139



Container slide rails

Edged steel rails with cams. For insertion into the perforated rear panel. For all standard boxes with overhanging lip. Painted silver.

Article	Length (mm)	Order no.
TA-BH50	500	169655
TA-BH75	750	169631
TA-BH10	994	169641

LIGHT GREY ANTHRACITE GREY



RAL 7035



RAL 7016

► **Pivot arm elements**

ball bearing system,
load capacity up to max. 20 kg.

**Single-joint pivot arm**

Stable steel pipe 40 x 40 mm. Pressed-in ball bearing permit easy adjustment. Fixing function via T-handle. Highly wear resistant special coating.

Article	Length (mm)	Order no.
AST325EG	325	196144 196525
AST200EG	200	196143 196524

**Twin-jointed pivot arm.**

Stable steel pipe 40 x 40 mm. Pressed-in ball bearing permit easy adjustment. Fixing function via T-handles. Highly wear resistant special coating.

Article	Length (mm)	Order no.
AST325DG	325	196146 196527
AST200DG	200	196145 196526



Please order pivot arm separately.

Rotating shelves

Base tray with 4-sided edging and grip in usable widths of 300 and 400 mm. Mounted onto a pivot arm element. Colour: Light grey, RAL 7035.

Article	W x D (mm)	Order no.
SAB 33	300 x 300	333610
SAB 43	400 x 300	333600

**TFT adapter with bearing body**

For direct fixing to the upright. Screen adapter with VESA connection (100/100 and 75/75). TFT tilts and swivels. Ideal for IPCs. Highly wear resistant special coating. Colour: Pale grey, RAL 7035 or anthracite grey, RAL 7016.

Article	Load (kg)	Order no.
FSC-SA	10	196528 196529

**TFT adapter**

Screen adapter with VESA connection (100/100 and 75/75). TFT tilts and rotates. Ideal for IPCs. Highly wear resistant special coating. Including double-joint pivot arm 2 x 200 mm. Colour: Pale grey, RAL 7035 or anthracite grey, RAL 7016.

Article	Load (kg)	Order no.
FSC-S	10	196531 196532

**TFT adapter with keyboard holder.**

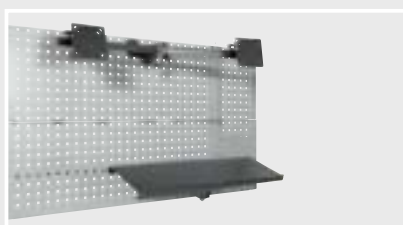
Screen adapter with VESA connection (100/100 and 75/75). TFT tilts and swivels. VESA and keyboard holder are height-adjustable. Including double-joint pivot arm 2 x 200 mm. Colour: Pale grey, RAL 7035 or anthracite grey, RAL 7016.

Article	Load (kg)	Order no.
FSCT-SA	10	196533 196534

**IPC holder**

Highly stable reinforced version for IPCs. Pivot range 180° infinite locking positions. Length 350 mm from pivot point to pivot point. Not available in a double joint version.

Article	Load (kg)	Order no.
IPC	25	167587 167588

**Keyboard holder**

For suspension from the perforated panel. Rigid and rotating versions. In the rotating version, the keyboard can be pulled over the middle of the table and rotated back completely onto the perforated panel. 650 mm wide.

Article	Version	Order no.
THL-ST	Rigid	167589 167590
THL-SB	Rotating	167591 167592

**Double screen holder**

For suspension on the perforated panel. With VESA connection (100/100 and 75/75). Pivots laterally. VESA connections can be adjusted to the left and right independently from one another. Fine adjustment of the screens in any position.

Article	Length (mm)	Order no.
AST-DBH	435/870	167593 167594

System design – PLANTEC WORK / PROFI LIFT



Bottle holder

For bolting onto upright.
Colour: Light grey, RAL 7035.

Article	Order no.
FL-HA2	196538



Scanner holder

For bolting onto upright.
Colour: Light grey, RAL 7035.

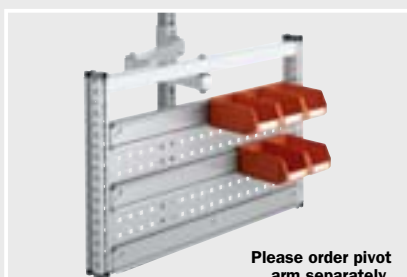
Article	Holder for	Order no.
SC-HA2R	Scanner, right	196537
SC-HA2L	Scanner, left	196592



Table adapter/upright

To house pivot arm elements. Stable steel construction (40 x 40 mm) with welded foot plate for bolting onto work surface.
Colour: Light grey, RAL 7035.

Article	Height (mm)	Order no.
TS 24	240	167595
TS 55	550	167596



Please order pivot arm separately.

Universal frame with box rails

Stable frame construction made from standard tubing. Colour: Light grey, RAL 7035. Perforated panel with 3 box rails, painted silver, for attaching semi-open front containers (see page 24) with suspension strip. For attachment to the pivot arm elements.

Article	Width (mm)	Order no.
UV-3KS	500	333580



Please order pivot arm separately.

Universal frame with perforated panel

Stable frame construction made from system pipes. Colour: Light grey, RAL 7035. Perforated panel, painted silver, with square holes for housing hook systems (see page 25). For attachment to the pivot arm elements.

Article	Width (mm)	Order no.
UV-LW50	500	333560



Please order pivot arm separately.

Flat pocket for perforated panel

For fixing to the perforated panel. With 10 clear pockets. Insert measurement: DIN A4 portrait.

Article	Order no.
PT-LW	333541

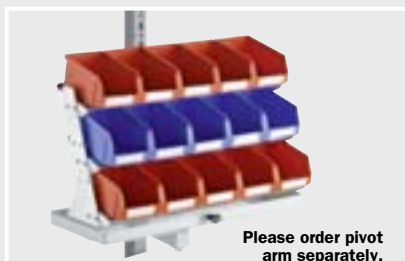


Please order pivot arm separately.

Universal frame with shelves

Stable frame construction made from system tubes. Colour: Light grey, RAL 7035. With 2 shelves, 105 and 210 mm deep, can be tilted, painted silver. To house semi-open front containers (page 24), tool, etc. For attachment to the pivot arm elements.

Article	Width (mm)	Order no.
UV-2AB	750	333590



Please order pivot arm separately.

Attachment tray for FA 5

With fixing holes for the FA 5 fix assistants. Used for optimal alignment of grip containers on the workstation. Fix assistant, galvanised, with 15 x LF 221 boxes, sorted by colour, on 3 tilting levels. Attachment tray, pale grey, RAL 7035.

Article	W x D (mm)	Order no.
BW-FA5	535 x 210 Base tray	333620
FA 5 PP	535 x 210 Fix assistant	7850



Please order pivot arm separately.

Attachment tray for FA 6

With fixing holes for the FA 6 fix assistants. Used for optimal alignment of grip containers on the workstation. Fix assistant, galvanised, with 20 x 14/7-6 boxes, sorted by colour, on 4 tilting levels. Attachment tray, pale grey, RAL 7035.

Article	W x D (mm)	Order no.
BW-FA6	535 x 210 Base tray	333630
FA 6 PP	535 x 210 Fix assistant	7900

Storage shelves

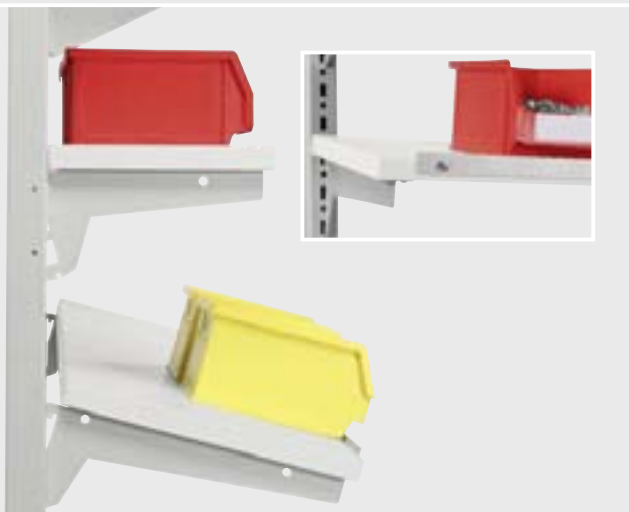
Boltless attachment to the uprights.
Can be tilted in 3 positions (0°, -5° and -15°).
Height adjustable in increments of 53 mm. Includes stop rail.
Colour: Carrier consoles RAL 9006, shelves Grey finish.

Article	W x D (mm)	Order no.
AB 826D	800 x 260	196181
AB 836D	800 x 360	196183
AB 1226D	1,200 x 260	196185
AB 1236D	1,200 x 360	196187



**LF series semi-open
front containers**

Page 24



Undertable keyboard extension

For easily moving the keyboard in and out.
The keyboard extension is screwed on underneath the shelf.
Front and back with recessed aluminium rail. Grey finish.
Extensions are supplied un-installed.

Article	W x D x H (mm)	Order no.
AST-UP	600 x 200 x 19	174914



Cable duct with folding mechanism

Horizontal cable duct for tidy cables. Can be extended forwards.
Steel plate, powder-coated. Bracket mounting.
Colour: White aluminium, RAL 9006.

Article	Length (mm)	Order no.
KKP1 1.3	1,200	220101
KKP1 1.5	1,600	220102
KKP1 1.7	2,000	220104



Three-way socket

Please order connection and extension cable separately.

Article		Best.-Nr.
EL3	Three-way socket, colour black, incl. earth wire	200218
EL-A2	Extension cable with plug, length 2 m, colour black	200219
EL-A3	Extension cable with plug, length 3 m, colour black	206100
EL-V2	Connection cable with plug, length 2 m, colour black	200220
EL-V3	Connection cable with plug, length 3 m, colour black	206102



Work table accessories



Low-noise air gun.

Made from scratch-proof composite material. Noise-insulating nozzle (77 dB). Brass insert with 1/4" internal thread. 5 pcs./pack. Max. pressure 10 bar.

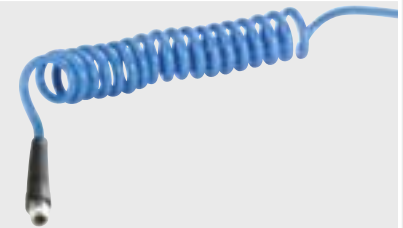
Article	Length (mm)	Order no.
BP163	163	333512



Compressed air gun holder

Stable round steel construction made from solid material, welded onto a carrier module made from angled steel. For bolting onto the work surface. Powder-coated, light grey RAL 7035.

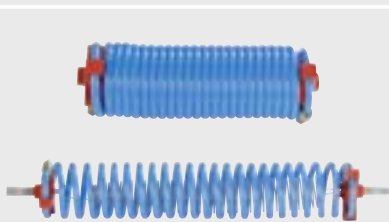
Article	Height (mm)	Order no.
DPI 31	310	167597



Polyurethane spiral pipe

For compressed air tools fastened onto the running rails. With pivot joint. 2 x 1/4" external thread. Internal diameter 5 mm, external diameter 8 mm.

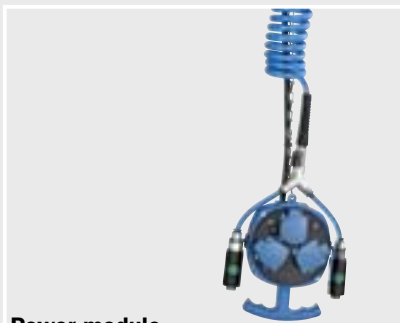
Article	Length max. (mm)	Order no.
PU-2S	2,000	333510



Polyamide spring

Simple technology for tough conditions. Tool is suspended from spring spiral. Hose 6.3 x 8. Max. tool weight: 2 kg. 1/4" internal thread.

Article	Length max. (mm)	Order no.
FZ-SP3	1,060	333511



Power module

For fixing to the table structure. Equipped with 3 shock-proof sockets 230 V, 16 A and 2 x safety compressed air coupling. 1/4" connection line.

Article	Material	Colour	Order no.
EA 3/2	Plastic	blue/black	333430



Arm rest

Ergonomic arm rest for relief of the shoulder/neck muscles. Individually adjustable. TÜV-tested for ergonomics!

Article	Length (mm)	Order no.
AA-50	550	333520
AA-75	750	333521



CPU holder

Steel frame for affixing underneath the table plate. Infinitely adjustable without tool. Height adjustable from 307 – 532 mm, width adjustable 78 – 220 mm.

Article	Colour	Order no.
CS 30	white aluminium	196535
CS 30	black	196536



Brush supports

Comprises 20 plates, length 500 x width 100 mm, with 6 screw holes. For self-assembly onto work surfaces.

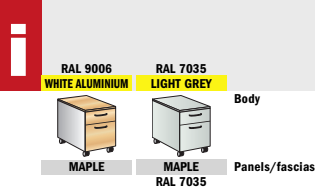
Article	H (mm)	Ø (mm)	Order no.
BA-15-2	15	0.2	167360
BA-15-4	15	0.4	167361
BA-35-4	35	0.4	167362
BA-35-7	35	0.7	167363



Prisma brush support

For protected processing of delicate rounded items.

Article	Brush-Ø (mm)	Unit	Order no.
PS-60-1	0.1	30	167370
PS-60-2	0.2	30	167371
PS-60-3	0.3	30	167372
PS-60-4	0.4	30	167373



- **Body made from quality thin panel**
with high quality, etched powder coating
- **Fascias and cover panels**
19 mm thick, made from three-layer chipboard with 3 mm plastic glue. With easy-care, robust melamine resin coating, resistant to grease, most acids and alkalis as well as hot cigarette ash
- **Drawers**
made from toughened plastic with 4/5 part extraction. Drawers for pull-outs (6U = height units) with easy moving full extension
- **Continuous drawer fascias**
with attractive plastic bow handles

Roller containers with usable heights of 3U and 6U

Spacious trolleys for additional storage space. With 4 smooth-running plastic rollers, Ø 40 mm, of which two can be locked. High stability thanks to integrated counterweight. Internal design: includes one supplies container; pull-out frames at 6U incl. suspended basket.

Dimensions: W 420 x H 537 mm x D 600 mm
(corresponds to nine U = height units)

Usable drawer heights

U3 = 130 mm, U6 = 275 mm (for pull-out frames)




1 x U3
1 x U6 (pull-out drawer)


3 x U3

Article	Body	Panel/ fascia finish	No. of drawers	Order no.	Article	No. of drawers	Order no.
RC136(60)	White aluminium	Maple	2 (1 x U3, 1 x U6)	204022	RC1333(60)	3 (3 x U3)	204012
RC136(60)	Light grey	Light grey	2 (1 x U3, 1 x U6)	204020	RC1333(60)	3 (3 x U3)	204010





**RAL 7035
LIGHT GREY**



**RAL 5010
GENTIAN BLUE**

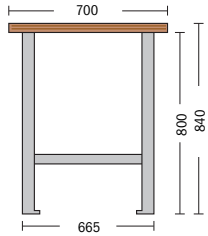
Housing

Fronts

Additional colour combinations on request

- ▶ **High-grade sheet metal**
powder-coated
- ▶ **Pedestal**
heavy duty
- ▶ **Bench top**
40 mm thick, beech plywood, linseed oil finish
- ▶ **Drawers**
fully extendable
- ▶ **Load**
Drawer blocks max. 50 kg per drawer, drawer cabinets max. 60 kg per drawer
- ▶ **Double drawer lock**
prevents multiple drawers being opened at once
- ▶ **Easy assembly.**
supplied for self-assembly







Drawer units and cupboards can be assembled on the right or left. All workbenches supplied without uprights and shelves.



Modular workbenches



Modular workbenches, WB-S/-M series

Article	Length (mm)	Drawer block W x D x H (mm)	Order no.	Article	Length (mm)	Drawer block W x D x H (mm)	Order no.
							
<div style="text-align: center;">  </div> <p>No drawers</p>				<div style="text-align: center;">  </div> <p>With 1 drawer unit and 2 drawers</p>			
WB1570G	1,500		13811	WB1572G	1,500	527 x 630 x 382	13851
WB2070G	2,000		13821	WB2072G	2,000	527 x 630 x 382	13861
<div style="text-align: center;">  </div> <p>With 1 drawer unit and 3 drawers</p>				<div style="text-align: center;">  </div> <p>With 1 drawer unit and 4 drawers</p>			
WB1571G	1,500	527 x 630 x 382	13831	WB15711G	1,500	527 x 630 x 382	13911
WB2071G	2,000	527 x 630 x 382	13841	WB20711G	2,000	527 x 630 x 382	13921

Modular workbenches

Modular workbenches, WB-S/-M series

Article	Length (mm)	Drawer block W x D x H (mm)	Order no.
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With 1 drawer cabinet and 4 drawers

WB1575G	1,500	527 x 630 x 800	108501
WB2075G	2,000	527 x 630 x 800	108521

Article	Length (mm)	Drawer block W x D x H (mm)	Order no.
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With 1 drawer cabinet and 5 drawers

WB1576G	1,500	527 x 630 x 800	108581
WB2076G	2,000	527 x 630 x 800	108601



With 1 drawer cabinet and 6 drawers

WB1577G	1,500	527 x 630 x 800	108541
WB2077G	2,000	527 x 630 x 800	108561



With 1 drawer cabinet and 4 drawers, and 1 drawer cabinet and 2 drawers, 1 adjustable shelf and door

WB1578	1,500	527 x 630 x 800	108621
WB2078	2,000	527 x 630 x 800	108631



With 1 drawer cabinet and 4 drawers, and 1 drawer cabinet and 6 drawers

WB1579	1,500	527 x 630 x 800	108641
WB2079	2,000	527 x 630 x 800	108651



With height-adjustable pedestals. Adjustment range 641 – 959 mm

WB-S1584M	1,500		108222
WB-S2084M	2,000		108232

Rear wall system



Further information

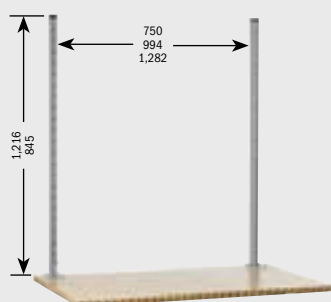
upon request

- **Modular system**
- **Three system widths**
- **Extendable at any time**
- **High quality powder-coated or galvanised**



- **Also fit other table systems maintaining the overall load:**

Rear wall system: up to 50 kg
Pivot arm elements up to 12 kg



Back panel upright

Enclosed special steel profile 60 x 31 mm with 53 : 53 mm lug pitch. For individual fitting with system accessories. Painted silver.

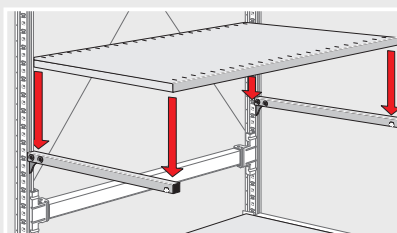
Article	Length (mm)	Order no.
AS3-84	845	169661
AS3-12	1,216	169681



Bracket

Steel plate, galvanised. For attaching to the back panel uprights. To house shelves, lamps or running rails.

Article	Depth (mm)	Load capacity (kg)	Order no.
KK 34050	340	50	145740
KK 35050	440	50	145760



Shelves

Sheet steel, painted silver. 30 mm high. The bases are fitted with rows of slots, slot spacing 41 mm. Dividing walls for longitudinal division, see page 37.

Article	f. bracket	f. assembly width (mm)	Order no.
ZB 4413 L	KK 34050	994/ D 400	27010
ZB 9415 L	KK 34050	1,282/ D 400	38100
ZB 4513 L	KK 35050	994/ D 500	27030
ZB 9515 L	KK 35050	1,282/ D 500	38110

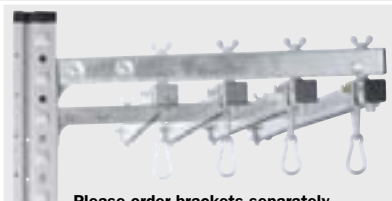


Please order brackets separately.

Workstation lamps

2 x 36 W TC-L with light grille, silver and white reflector with assembled fixing set. Low-loss preselector unit, inductive. Silver, powder-coated.

Article	for assembly width (mm)	Order no.
AL3-75	750	169960
AL3-99	994	169961
AL3-128	1,282	169971
ALW30	Connection cable	169980
VLW10	Connection line	169981



Please order brackets separately.

Running rails/tool trucks

For fixing to the brackets. C profile 32 x 32 mm, galvanised. 3 or 4 fixing options depending on the bracket.

Article	L x W (mm)	Order no.
LS-TB12	1,250 x 32	108862
LS-TB15	1,500 x 32	108863
LS-TB20	2,000 x 32	108864
WZW	Tool trolley	108861



WZW

Pivoting side beam

For fixing to the upright, C profile 32 x 32 mm, galvanised, pivot range approx. 180°. Tool trolleys on double ball bearings.

Article	Length (mm)	Order no.
C-AL50	500	333440
C-AL75	750	333441
WZW	Tool trolley	108861

Rear wall system

Storage shelves

Boltless attachment to upright supports.
Can be tilted in 4 positions (10°, 0°, -5° and -16°). Height adjustable in increments of 53 mm. Base load capacity 20 kg.

Article	W x D (mm)	Order no.
AB7T1	780 x 105	169701
AB7T2	780 x 215	169711
AB10T1	1,024 x 105	169751
AB10T2	1,024 x 215	169761
AB13T1	1,312 x 105	169801
AB13T2	1,312 x 215	169811



End stop rails

Article	Length (mm)	Order no.
ASL 6	625	167170
ASL 10	1,000	167180
ASL 12	1,250	167190

i LF series semi-open front containers

Page 24



Container slide rails

Edged steel rails with cams. Slot into multi-rails or perforated back panel, for all containers with overhanging lip. Painted silver.

Article	for assembly width (mm)	Order no.
TA-BH75	750	169631
TA-BH10	994	169641
TA-BH13	1,282	169651



Multi-rails

For bolt-free attachment to the back panel uprights. With 3 rows of square holes. For attaching to the container rails or hooks. Painted silver. Height 105 mm.

Article	for assembly width (mm)	Order no.
TA-MS75	750	169571
TA-MS10	994	169581
TA-MS13	1,282	169591

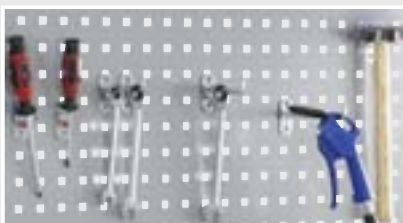


Similar to illustration

Rotating shelf

For attachment between the upright supports. Depth and angle can be adjusted.

Article	W x D (mm)	Order no.
SAB7/T4	740 x 410	333450
SAB10/T4	985 x 410	333470
SAB13/T4	1,270 x 410	333490



Perforated back panels

For bolt-free attachment to the upright supports. With 10 rows of square holes. Painted silver. Height 371 mm. For corresponding tool holder, see page 25.

Article	for assembly width (mm)	Order no.
TA-LR75-7	750	169601
TA-LR10-7	994	169611
TA-LR13-7	1,282	169621



Scanner holder/bottle holder

For bolt-free attachment to the back panel uprights. Painted silver.

Article	Holder for	Order no.
SC-HA1R	Scanner, right	196539
SC-HA1L	Scanner, left	196591
FL-HA1	Bottles	196551



Flat pocket for upright

With 10 clear pockets. For fixing to the back panel upright. Insert measurement: DIN A4 portrait.

Article	Order no.
PT-AS	333540

Rear wall system



Single-joint pivot arm

Stable steep pipe 40 x 40 mm. Pressed-in ball bearings permit easy adjustment. Fixing function via T-handle. Highly wear resistant special coating. Colour: Black.

Article	Length (mm)	Order no.
ATG-SA1	325	333530
ATG-SAK	200	333780



Twin-jointed pivot arm.

Stable steel pipe 40 x 40 mm. Pressed-in ball bearings permit easy adjustment. Fixing function via T-handles. Highly wear resistant special coating. Colour: Black.

Article	Length (mm)	Order no.
ATG-SA	2 x 325	108992
ATG-DSK	2 x 200	333781



Rotating shelves

Base tray with 4-sided edging and handle in usable widths of 300 and 400 mm. Mounted onto a pivot arm element. Max. load 12 kg. Colour: Light grey, RAL 7035.

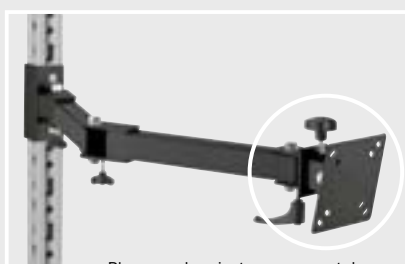
Article	W x D (mm)	Order no.
SAB 33	300 x 300	333610
SAB 43	400 x 300	333600



TFT adapter with bearing body

For direct fastening to the upright. Screen adapter with VESA connection (100/100 and 75/75). TFT tilts and rotates. Ideal for IPCs. Highly wear resistant special coating. Colour: Black.

Article	Load (kg)	Order no.
FSC-SA	10	333550



TFT adapter

Screen adapter with VESA connection (100/100 and 75/75). TFT tilts and rotates. Ideal for IPCs. Highly wear resistant special coating. Colour: Black.

Article	Load (kg)	Order no.
FSC-S	10	333811



TFT adapter with keyboard holder.

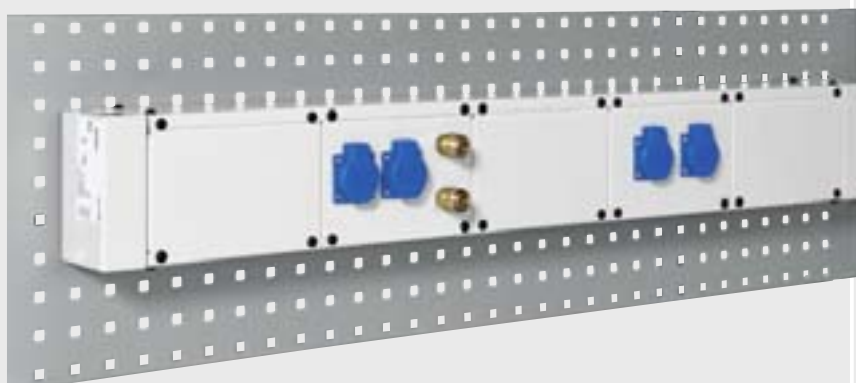
Screen adapter with VESA connection (100/100 and 75/75). TFT tilts and rotates. VESA and keyboard holder are height-adjustable. Colour: Black.

Article	Load (kg)	Order no.
FSC-ST	10	333551

Service ducts

For fixing onto the perforated rear wall or for screwing onto the table top. Can be fitted with M200 modules (page 23). Fully wired to a connection terminal with cable joints for on-site connection. Steel plate, powder-coated, light grey RAL 7035. Extremely solid construction. Expandable at any time with M200 modules.

Article	Length (mm)	Number of modules	Order no.
EKW 03	300	1	167560
EKW 05	500	2	167570
EKW 07	700	3	167565
EKW 09	900	4	167575
EKW 11	1,100	5	167580



► Modules

for individual or additional fitting of service ducts, power sockets and services supply units

M200 modules

M200 module for power supply units



2 x 230 V earthed socket 16A

Article	Order no.
EM20-04	167681



3 x 230 V earthed socket 16A

Article	Order no.
EM20-13	167771



2 x compressed air pipes DN 7.2
2 x 230 V earthed socket

Article	Order no.
EM20-03	167671



FI-safety switch (2-pol. 25A/0.03A)

Article	Order no.
EM20-12	167761



2 x 230 V earthed socket 16A
1 x FI-safety switch (2-pole 25A/0.03A)

Article	Order no.
EM20-15	167511



2 x compressed air pipes DN 7.2

Article	Order no.
EM20-05	167691



1 x CEE 3-phase 400 V

Article	Amperes	Order no.
EM20-06	16	167701
EM20-07	32	167711



1 x CEE 63A 3-phase 400 V

Article	Order no.
EM20-08	167721



FI-safety switch (4-pole 40A/0.03A),
fuse (3-pole 35A),
fuse (1-pole 16A)

Article	Order no.
EM20-11	167751



Emergency stop button

Article	Order no.
EM20-10	167741



Emergency stop main switch

Article	Order no.
EM20-09	167731



I/O switch for external units

Article	Order no.
EM20-14	167781

Containers for table attachment systems



► Polypropylene

resistant to most oils, acids and alkalis, quiet running on conveyor paths, with proper use withstands temperatures from -20° to +100° Celsius

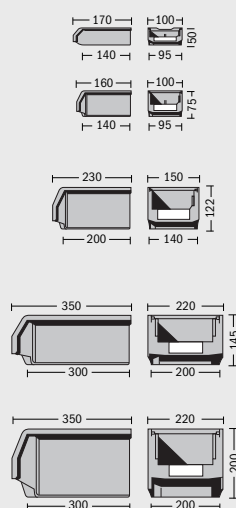
► Robust and stable design

► Smooth internal walls for easy cleaning



Semi-open front storage containers made from plastic LF series

Article	Interior dimensions (base) L x W x usable H (mm)	Contents (litre)	Unit	Order no.				
LF 210 ZW PP	134 x 88 x 44	0.5	50	6991	6992	6993	6994	
	133 x 88 x 67	0.9	50					
LF 211 ZW PP	with grooves for dividers			92191	92192	92193	92194	
LF 221 PP	190 x 125 x 110	2.7	40	92151	92152	92153	92154	
LF 221 ZW PP	with grooves for dividers			91951	91952	91953	91954	
LF 221 CS PP	with slot for CS 221 flap			91281	91282	91283	91284	
LF 221 ZW CS PP	with grooves and slots for flap			91291	91292	91293	91294	
LF 321 PP	292 x 182 x 133	7.5	28	92071	92072	92073	92074	
LF 321 ZW PP	with grooves for dividers			92041	92042	92043	92044	
LF 321 G PP	with recessed grip			91921	91922	91923	91924	
LF 321 G ZW PP	with recessed grip and grooves for dividers			95521	95522	95523	95524	
LF 322 PP	291 x 181 x 185	10.4	10	92061	92062	92063	92064	
LF 322 ZW PP	with grooves for dividers			92021	92022	92023	92024	
LF 322 G PP	with recessed grip			92011	92012	92013	92014	
LF 322 G ZW PP	with recessed grip and grooves for dividers			95511	95512	95513	95514	



Standard EF containers

Article	Interior dimensions (base) L x W x H (mm) when stacked	Contents (litre)	Base	Walls	Order no.			
EF 4120 PP	354 x 254 x 105	10.8			14891	14894	14895	
EF 4121 PP					16151	-	16155	
EF 4123 PP	354 x 254 x 102	10.8			14901	-	14905	
EF 4130 PP	356 x 256 x 116	11.9			15351	15354	15355	
EF 4131 PP					15361	-	15365	
EF 4140 PP	353 x 253 x 116	12.7			22271	22274	22275	
EF 4141 PP					22331	-	22335	
EF 4143 PP	353 x 253 x 114	12.4			22341	-	22345	
EF 4170 PP	353 x 253 x 146	15.5			22161	22164	22165	
EF 4171 PP					22171	-	22175	
EF 4173 PP	353 x 253 x 144	15.2			22181	-	22185	
EF 4170 VB PP	355 x 255 x 127	13.8			23161	-	23165	
EF 4220 PP	353 x 253 x 196	20.2			14951	14954	14955	
EF 4221 PP					14961	-	14965	
EF 4223 PP	353 x 253 x 194	19.9			14971	-	14975	

closed

perforated

reinforced

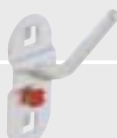
Hooks and holders for perforated back panels

**Straight tool holder**

Article	Length (mm)	Order no.
WZHD 50	50	167862
WZHD 100	100	167863
WZHD 150	150	167864

**Double tool holder**

Article	Length (mm)	Order no.
DWZHD 50	50	167865
DWZHD 100	100	167866
DWZHD 150	150	167867

**Inclined hook**

Article	Length (mm)	Order no.
SH 14/40	14/40	167861

**Inclined hook end**

Article	L x Ø (mm)	Order no.
WZH 50	50x6	167850
WZH 100	100x6	167851
WZH 150	150x6	167852
WZH 200	200x6	167853

**Vertical hook end**

Article	L x Ø (mm)	Order no.
WZH 35	35x6	167854
WZH 75	75x6	167855
WZH 125	125x6	167856

**Double tool holder**

Article	L x W (mm)	Order no.
DWZH 35	35x35	167857
DWZH 50	50x35	167858
DWZH 75	75x35	167859
DWZH 150	150x35	167860

**Single tool clip**

Article	Ø (mm)	Order no.
WZK 06	6	167871
WZK 10	10	167872
WZK 13	13	167873
WZK 16	16	167874
WZK 19	19	167875

**Double tool clip**

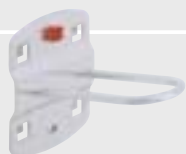
Article	Ø (mm)	Order no.
DWK 06	6	167876
DWK 10	10	167877
DWK 13	13	167878
DWK 16	16	167879
DWK 19	19	167880

**Machine tool holder**

Article	internal Ø (mm)	Order no.
MASH 40	40	167888
MASH 60	60	167889
MASH 80	80	167890

**Pliers holder**

Article	W x D (mm)	Order no.
ZH 35	35x20	167883
ZH 55	55x20	167884
ZH 75	75x20	167885

**Round holder**

Article	L x Ø (mm)	Order no.
RH 65/25	65x25	167882

**Cable holder**

Article	Length (mm)	Order no.
KAB 150	150	167891
KAB 200	200	167892

**Drill holder**

Article	for parts (items)	Order no.
BIKH 14	14	167901
BIKH 28	28	167902

**Bit holder**

Article	for parts (items)	Order no.
BHA	7	167896

**Screw driver holder**

Article	for parts (items)	Order no.
SDH 6	6	167898
SDH 12	12	167899

**Hexagon socket holder**

Article	for Ø (mm)	Order no.
ISKH 200	1-11	167897

**Saw holder**

Article	for saws (items)	Order no.
SAGH	4	167893

**Spanner holder**

Article	for no. of spanners	Order no.
SSH 8	8	167905
SSH 10	10	167906
RSH 10	10 Ring	167907

**Pipe holder**

Article	internal Ø (mm)	Order no.
RHT 60	60	167894
RHT 100	100	167895

**Round can holder Ø 70 mm**

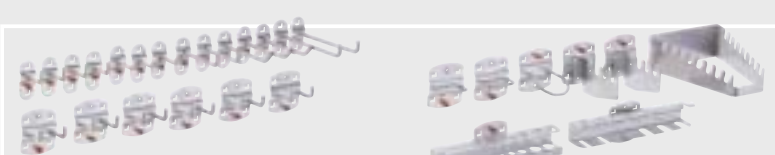
Article	for no. of cans	Order no.
WZHR 1	1	167910
WZHR 3	3	167909

**Magnet holder**

Article	Ø (mm)	Order no.
MAGH 40	40	167881

**Form holder**

Article	Format	Order no.
FOH	DIN A4	167911

**Tool holder range**

Article	for parts (items)	Order no.	Article	for parts (items)	Order no.
WHS 12	12	194510	WHS 28	28	194512
WHS 18	18	194511	WHS 40	40	194513

Accessories



Cushion Trax
Anti-fatigue mat, thickness 14 mm

For high loads in dry, industrial environments. Tested for anti-slip R10 in accordance with DIN 51130 and BGR 181. No poisonous DOP. Flame-retardant B1 according to DIN 4102. Resistant to numerous industrial fluids and chemicals. Dimensions: W 152 x D 91 cm.

Article	Colour	(Weight kg/m ²)	Order no.
ATM 14 S	black	6.5	333782
ATM 14 SG	black/yellow	6.5	333783



Saddle Trax
Anti-fatigue mat, thickness 25.4 mm

Exceptionally comfortable. For high loads in dry, industrial environments. Tested for anti-slip R10 in accordance with DIN 51130 and BGR 181. No poisonous DOP. Flame-retardant B1 according to DIN 4102. Resistant to numerous industrial fluids and chemicals. Dimensions: W 152 x D 91 cm.

Article	Colour	(Weight kg/m ²)	Order no.
ATM 25 S	black	7.3	333784
ATM 25 SG	black/yellow	7.3	333785



Cushion Trax, roller goods
Anti-fatigue mat, thickness 14 mm

Thickness 14 mm. For high loads in dry, industrial environments. Tested for anti-slip R10 in accordance with DIN 51130 and BGR 181. No poisonous DOP. Flame-retardant B1 according to DIN 4102. Resistant to numerous industrial fluids and chemicals. Dimensions: W 91 cm. Maximum length 22.8 m.

Article	Colour	Order no.
ATM S-R0	black	333786
ATM SG-R0	black/yellow	333787



Foot rest

Stable steel construction, adjustable height and incline. Colour: Light grey, RAL 7035 powder-coated. With non-slip surface.

Article	W x D (mm)	Order no.
FSF50	500 x 350	21699



Universal lamp

Bright, even lighting. High output, low energy consumption thanks to 11 Watt compact fluorescent tube.

Article	Order no.
UVL 111	Universal lamp
TK1/70	Table clamp
	168430
	168461



Magnifying lamp, 3 diopters

Bright, flat light. Excellent, distortion-free magnification (3 diopters). High output, low energy consumption thanks to 11 Watt compact fluorescent tube. Lightweight and precise setting.

Article	Order no.
TLL 111	Universal lamp
TK1/70	Table clamp
	168440
	168461

Work chair with wood support

Seat height 40 – 56 cm. Backrest incline mechanically adjustable and can be locked in any position. Seat and back rest, natural beech. Cross shaped base made from plastic, black. Switch-point, load-dependent braked rollers for hard floors (Ø 50 mm, covered). Work chair partially pre-assembled in the carton.

Article	Version	Order no.
ABST-HA	Standard mechanics	333788

Stool with wood support

Seat height 40 – 56 cm, wooden seat, natural beech. Plastic cross shaped base, black with universal castors for hard and soft floors. Stool partially preassembled in the carton.

Article	Order no.
HOC-HA	333789



Work stools

► **Permanent contact backrest**

Backrest permanently follows the movements of the upper body. Infinite adjustment of the backrest counterpressure for approx. 50 – 125 kg body weight. Backrest incline can be locked 5 ways.

► **Synchronous technology with 4° seat incline**

Seat and backrest follow the movements of the person seated synchronously in the correct angle ratio. Infinite, easy tangible adjustment of the backrest counterpressure (= tension) for approx. 50 – 125 kg body weight. Synchronous movement can be locked in any position.

► **Work chairs fully fitted in the carton**

Cross shaped base:
Steel, black



Cross shaped base:
Steel, chrome-plated



Fittings



PU trim

Sliding handle

Cross
shaped base:
Plastic, black



Fabric:
Faux leather

Base ring

Cross
shaped base:
Aluminium,
polished

* Please add the code for
your required version to
the order no.:

0170

PU trim:
Black

3221

Faux leather:
Delft

0521

Material:
Bordeaux

0504

Material:
Corinth

0502

Material:
Indigo

0501

Material:
Mocca

0511

Material:
Black

Tec profile work chair, seat height 43 – 59 cm

Cross shaped base made from plastic, black. Switch-point, load-dependent braked rollers for hard floors (Ø 50 mm, covered). No sliding handles.

Article	Version	Order no.
ASFK-P	Permanent contact backrest	333790*
ASFK-SY	Synchronous technology	333791*

Tec profile work chair with base ring, seat height 58 – 83 cm

Chrome base ring, anti-slip surface, infinitely height adjustable with quick-release lock. Aluminium cross shaped base with universal castors for hard and soft floors. No sliding handles.

Article	Version	Order no.
ASFKR-P	Permanent contact backrest	333792*
ASFKR-SY	Synchronous technology	333793*

Equipment

Article	Version	Order no.
FK-KS	Plastic cross shaped base, black, Ø 70 cm	333794
FK-SS	Steel cross shaped base, black, Ø 69 cm	333795
FK-SV	Steel cross shaped base, chrome, Ø 69 cm	333796
FK-AP	Steel cross shaped base, aluminium, Ø 70 cm	333797
UVG-HW	Universal castors for hard and soft floors	333798
ROLW-4	Rollers, soft, for hard floors	333799
TEC-2FPP	Arm rests made from PP, height-adjustable (10 cm) and width-adjustable (7 cm)	333800
TEC-SBG	Sliding handles, black, soft PU	333801

Easy-stand

Comfortable luxury seat with wear-resistant PU trim, height adjustable. Ergonomically shaped seat area Stable thanks to robust steel frame. Easy-stand partially pre-assembled in the carton.

Article	Version	Order no.
ERGO-TEC	PU trim	333802

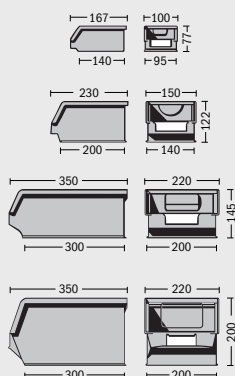


ESD accessories



Semi-open front containers, 14/7 series – conductive

Article	Interior dimensions (floor) L x W x useable height (mm)	Contents (litre)	Unit	Order no.
14/7-5 PPL	134 x 88 x 66	0.8	50	6968
14/7-4 PPL	191 x 125 x 109	2.6	40	6928
14/7-3 Z PPL	291 x 182 x 132	7.2	28	6888
14/7-3 PPL	291 x 181 x 185	10.0	20	6848



Conductive polypropylene (PPL)

	normal PE/PP	PPL
specific resistance	10^{18} Ohm x cm <	10^3 Ohm x cm
specific surface resistance	10^{14} Ohm	10^4 Ohm

Special EF containers, base dimensions 400 x 300 mm

Article	Interior dimensions (base) L x W x H (mm) when stacked	Total height (mm)	Contents (litre)	Order no.
EF 4120 PPL	354 x 254 x 105	120	10.8	14898
EF 4130 PPL	356 x 256 x 116	130	11.9	15358
EF 4140 PPL	353 x 253 x 116	140	12.7	22278
EF 4170 PPL	353 x 253 x 146	170	15.5	22168
EF 4220 PPL	353 x 253 x 196	220	20.2	14958

Ring armrest,
black

Conductive

Anti-static and conductive models avoid problems due to static charge. The chairs conform to the requirements for the discharging static conforming to DIN EN 61340-5-1:2001; tested by LGA Nuremberg. Resistance $R_g \leq 1 \times 10^6 \Omega$.

Permanent contact backrest

follows the movements of the upper body. Infinite adjustment of the backrest counterpressure for approx. 50 – 125 kg body weight. Backrest incline can be locked 5 ways.

Synchronous technology with 4° seat incline

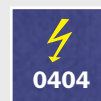
Seat and backrest follow the movements of the person seated synchronously in the correct angle ratio. Infinite, immediately tangible adjustment of the backrest counterpressure (= tension) for approx. 50 – 125 kg body weight. Synchronous movement can be locked in any position

Work chairs partially pre-assembled in the carton.

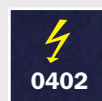
* Please add the code for your required version to the order no.:



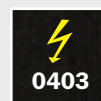
Material: Bordeaux



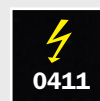
Material: Corinth



Material: Indigo



Material: Mocca



Material: Black

Tec ESD work chair, seat height 430 – 590 mm

Cross shaped base, aluminium, polished. Switch-point, load-dependent braked rollers, conductive, for hard floors (Ø 50 mm, covered).

Article	Version	Order no.
ESDAS-P	Permanent contact backrest	333803*
ESDAS-SY	Synchronous technology	333804*
ESDAS-RL	Ring arm rest (pair), height-adjust. 70 mm, black	333805

Tec ESC work chair with base ring, seat height 580 – 830 cm

Chrome base ring, anti-slip surface, infinitely height adjustable with quick-release lock. Aluminium cross shaped base with universal castors, conductive, for hard and soft floors.

Article	Version	Order no.
ESDAS-P/FR	Permanent contact backrest	333806*
ESDAS-SY/FR	Synchronous technology	333807*
ESDAS-RL	Ring arm rest (pair), height-adjust. 70 mm, black	333805

ESD accessories

**Earthing armband and cable**

Conform to standard units available on the market. Earthing armband, pushbutton connection 4.0 mm. Earthing cable, pushbutton connection 4.0 mm, earthing connection 10.3 mm. Hand joint side with 1 M Ω safety resistance. Colour: Pale blue.

Article	Version	Order no.
ESD-AB	Earthing armband	333660
ESD-EK	Earthing cable 1.8 m	333661

**Earthing box**

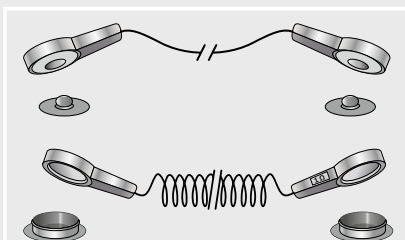
2 versions: With 1 M Ω safety resistance for ESD earthing connection via the earthed socket (smooth cable 1.5 m) or without cable, earth contact via table frame. 2 pushbutton connections 10.3 mm.

Article	Version	Order no.
ESD-EBK	Smooth cable 1.5 m	333662
ESD-EBT	No cable	333663

**Armband monitor**

For permanent monitoring of person earthing via armband and cable. Earthing interruption or excessively high leak resistance are displayed visually and acoustically. Incl. 9 V power unit. Dimensions: W 45 x D 35 x H 90 mm.

Article	Pushbutton connection (mm)	Order no.
ESD-ABM	10.3	333664

**Connection lines**

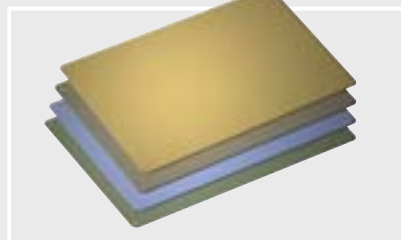
For connecting table and base mats or as connection to earthing box. With pushbuttons on both sides. Spiral cable 2400 mm long, pushbutton 10.3 mm. Smooth cable 300 mm long, pushbutton 4.5 mm.

Article	Cable	Resistance (M Ω)	Order no.
ESD-VL3	Smooth	—	333670
ESD-VL24	Spiral cable	1	333671

**Diamond Stat
Anti-fatigue mat, thickness 14 mm**

For high loads in dry, industrial environments. Fire safety class Cfl-sI according to DIN EN 13 501-1. Conforms to IEC6 1340-4-1 (category DIF), measured resistance R_g 10⁶ – 10⁹ Ω , R_p 10⁶ – 10⁹ Ω . Dimensions: W 1,520 x D 910 mm.

Article	Colour	Weight (kg/m ²)	Order no.
ATM14S-BSK	black	6.5	333809

**ESD table mats, two-layered**

Top layer largely resistant to soldering irons. Even leak resistance levels are achieved thanks to fitting an extremely low ohm beam (< 10⁴ Ω). Dimensions: W 1,200 x D 600 mm. * Please add required colour number to the order no. 0 = beige, 1 = grey, 2 = green, 3 = blue.

Article	Pushbutton connection (mm)	Order no.
ESD-TM1	2 x 4.5	33369*
ESD-TM2	2 x 10.3	33370*

**ESD base**

Equipped with integrated gas spring, the base can be infinitely adjusted via simple foot operation from 20 – 280 mm. Weight 6 kg. Leak resistance 10⁴ Ω .

Article	W x D x H (mm)	Order no.
ESD-FS1	450 x 395 x 430	333710

**Swivel panel and holder**

DIN A4 with ESD warning symbol made from anti-static film material, transparent. Surface resistance 10¹⁰ Ω . Holder made from stainless steel for wall mounting.

Article	Version	Order no.
ESD-ST	10 swivel panels	333720
ESD-STH	Holder for 10 swivel panels	333721

**Other accessories**

upon request

Packing tables

An example of many options for optimum organisation and configuration of the SSI SCHAEFER storage area. All materials and utensils are within easy reach. The systems can be coordinated with your specific packaging processes and expanded or retrofitted at any time.

The packing tables are available in 1,500 and 2,750 mm table widths. The table construction has a shortened front support that is screwed onto the work surface. The lug spacing of the extension uprights permits rapid assembly and flexible setup with the comprehensive range of accessories. Shelves, perforated back panels, roll holders, etc. are easily suspended in the lugs and can be height-adjusted at intervals of 53 mm.

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Longitudinal bracing
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Workstation lighting
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Full height partition
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Free-standing divider
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Installation duct
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Further information

upon request







Packing tables 1,500 mm wide – example orders



Example 1

Includes:

- Workbench W 1,500 x D 900 x H 890 mm, base, silver, powder-coated, work surface either made from multiplex board or laminate
- Table structure, silver, powder-coated, clear width 1,282 mm, either 400 or 500 mm deep, incl. 2 lengthwise reinforcement belts, painted silver
- 2 perforated rear panels W 1,282 x H 371 mm
- 2 shelves W 1,313 x D 210 mm, height adjustable at intervals of 53 mm, can be fitted in 4 positions (10°, 0°, -5 and -16°), incl. stop rail
- 16 x LF 221 semi-open front containers, made from polypropylene, colour blue, L 230 x W 150 x H 122 mm
- Glare-free workstation lighting 2 x 36 W with 3 m cable

Article	Table dimensions W x D x H (mm)	Structure dimensions W x D x H (mm)	Work surface material	Order no.
PT15-1M4	1,500 x 900 x 890	1,343 x 400 x 2,278	Multiplex	333000
PT15-1L4	1,500 x 900 x 890	1,343 x 400 x 2,278	Laminate	333010
PT15-1M5	1,500 x 900 x 890	1,343 x 500 x 2,278	Multiplex	333020
PT15-1L5	1,500 x 900 x 890	1,343 x 500 x 2,278	Laminate	333030



Example 2

Includes:

- Workbench W 1,500 x D 900 x H 890 mm, base, silver, powder-coated, work surface either made from multiplex board or laminate
- 1 wall cupboard W 527 x D 630 x H 382 mm, with 3 drawers (drawer height 100 mm), load 50 kg per drawer, pale grey housing, RAL 7035, gentian blue drawers, RAL 5010
- Table structure, silver, powder-coated, clear width 1,282 mm, either 400 or 500 mm deep, incl. 2 lengthwise reinforcement belts, painted silver
- 3 shelves, painted silver, W 1,282 mm, height adjustable in increments of 53 mm, load capacity up to 150 kg
- 4 freestanding dividers, galvanised sheet steel, 275 mm high, for inserting into the slots on the shelves

Article	Table dimensions W x D x H (mm)	Structure dimensions W x D x H (mm)	Work surface material	Order no.
PT15-2M4	1,500 x 900 x 890	1,343 x 400 x 2,278	Multiplex	333040
PT15-2L4	1,500 x 900 x 890	1,343 x 400 x 2,278	Laminate	333050
PT15-2M5	1,500 x 900 x 890	1,343 x 500 x 2,278	Multiplex	333060
PT15-2L5	1,500 x 900 x 890	1,343 x 500 x 2,278	Laminate	333070

► Table structure

Upright frame with shortened front support for fastening to the table top. Lug spacing distance of 53 mm, permits the flexible setup with a variety of accessories. Horizontal braces for lengthwise fixing and reinforcement. Load capacity 500 kg

► Easy assembly.

designed for self-assembly

Packing tables 1,500 mm wide – example orders

Example 3

Includes:

- Workbench W 1,500 x D 900 x H 890 mm, base, silver, powder-coated, work surface either made from multiplex board or laminate
- 1 wall cupboard W 527 x D 630 x H 382 mm, with 3 drawers (drawer height 100 mm), load 50 kg per drawer, pale grey housing, RAL 7035, gentian blue drawers, RAL 5010
- Table structure, silver, powder-coated, clear width 1,282 mm, either 400 or 500 mm deep, incl. 2 lengthwise reinforcement belts, painted silver
- 1 perforated rear panel W 1,282 x H 371 mm
- 1 shelf W 1,313 x D 210 mm, height adjustable at intervals of 53 mm, can be fitted in 4 positions (10°, 0°, -5 and -16°), incl. stop rail
- 2 box rails L 750 mm with 14 x LF 211 semi-open front containers, made from polypropylene, colour sorted, L 160 x W 100 x H 75 mm
- 8 x LF 221 semi-open front containers, made from polypropylene, colour blue, L 230 x W 150 x H 122 mm
- 3 shelves, painted silver, W 1,282 mm, height adjustable in increments of 53 mm, load capacity up to 150 kg
- Glare-free workstation lighting 2 x 36 W with 3 m cable

Article	Table dimensions W x D x H (mm)	Structure dimensions W x D x H (mm)	Work surface material	Order no.
PT15-3M4	1,500 x 900 x 890	1,343 x 400 x 2,278	Multiplex	333080
PT15-3L4	1,500 x 900 x 890	1,343 x 400 x 2,278	Laminate	333090
PT15-3M5	1,500 x 900 x 890	1,343 x 500 x 2,278	Multiplex	333100
PT15-3L5	1,500 x 900 x 890	1,343 x 500 x 2,278	Laminate	333110



Example 4

Includes:

- Workbench W 1,500 x D 900 x H 890 mm, base, silver, powder-coated, work surface either made from multiplex board or laminate
- 1 wall cupboard W 527 x D 630 x H 382 mm, with 3 drawers (drawer height 100 mm), load 50 kg per drawer, pale grey housing, RAL 7035, gentian blue drawers, RAL 5010
- Table structure, silver, powder-coated, clear width 1,282 mm, either 400 or 500 mm deep, incl. 2 lengthwise reinforcement belts, painted silver
- 1 perforated rear panel W 1,282 x H 371 mm
- 1 shelf W 1,313 x D 210 mm, height adjustable at intervals of 53 mm, can be fitted in 4 positions (10°, 0°, -5 and -16°), incl. stop rail
- 8 x LF 221 semi-open front containers, made from polypropylene, colour blue, L 230 x W 150 x H 122 mm
- 1 roll holder W 1,200 mm can be fitted in 3 positions, load capacity up to 50 kg

Article	Table dimensions W x D x H (mm)	Structure dimensions W x D x H (mm)	Work surface material	Order no.
PT15-4M4	1,500 x 900 x 890	1,343 x 400 x 2,278	Multiplex	333120
PT15-4L4	1,500 x 900 x 890	1,343 x 400 x 2,278	Laminate	333130
PT15-4M5	1,500 x 900 x 890	1,343 x 500 x 2,278	Multiplex	333140
PT15-4L5	1,500 x 900 x 890	1,343 x 500 x 2,278	Laminate	333150





Packing tables 2,750 mm wide – example orders

► Worktable

Base made from quality steel plate, silver, powder-coated, with 500 kg even static loading. Work surface 40 mm thick, either made from multiplex board or laminate

Example 1

Includes:

- Workbench W 2,750 x D 900 x H 890 mm, base, silver, powder-coated, work surface either made from multiplex board or laminate
- Table structure, silver, powder-coated, clear width 2 x 1,282 mm, either 400 or 500 mm deep, incl. 4 lengthwise reinforcement belts, painted silver
- 6 shelves, painted silver, W 1,282 mm, height adjustable in increments of 53 mm, load capacity up to 150 kg
- 6 freestanding dividers, galvanised sheet steel, 275 mm high, for inserting into the slots on the shelves

Article	Table dimensions W x D x H (mm)	Structure dimensions W x D x H (mm)	Work surface material	Order no.
PT27-1M4	2,750 x 900 x 890	2,656 x 400 x 2,278	Multiplex	333160
PT27-1L4	2,750 x 900 x 890	2,656 x 400 x 2,278	Laminate	333170
PT27-1M5	2,750 x 900 x 890	2,656 x 500 x 2,278	Multiplex	333180
PT27-1L5	2,750 x 900 x 890	2,656 x 500 x 2,278	Laminate	333190

Example 2

Includes:

- Worktable W 2,750 x D 900 x H 890 mm, base, silver, powder-coated, work surface either made from multiplex board or laminate
- Table structure, silver, powder-coated, clear width 2 x 1,282 mm, either 400 or 500 mm deep, incl. 4 lengthwise reinforcement belts, painted silver
- 2 perforated rear panels W 1,282 x H 371 mm
- 2 shelves W 1,313 x D 210 mm, height adjustable at intervals of 5 mm, can be fitted in 4 positions (10°, 0°, -5 and -16°), incl. stop rail
- 16 x LF 221 semi-open front containers, made from polypropylene, colour blue, L 230 x W 150 x H 122 mm
- 1 roll holder W 1,200 mm can be fitted in 3 positions, load capacity up to 50 kg
- 1 divider shelf, painted silver, W 1,282 mm, height adjustable in increments of 53 mm, load capacity up to 150 kg

Article	Table dimensions W x D x H (mm)	Structure dimensions W x D x H (mm)	Work surface material	Order no.
PT27-2M4	2,750 x 900 x 890	2,656 x 400 x 2,278	Multiplex	333200
PT27-2L4	2,750 x 900 x 890	2,656 x 400 x 2,278	Laminate	333210
PT27-2M5	2,750 x 900 x 890	2,656 x 500 x 2,278	Multiplex	333220
PT27-2L5	2,750 x 900 x 890	2,656 x 500 x 2,278	Laminate	333230

► Table structure

Upright frame with shortened front support for fastening to the table top. Lug spacing distance of 53 mm, permits the flexible setup with a variety of accessories. Horizontal braces for lengthwise fixing and reinforcement. Load capacity 500 kg

► Easy assembly

designed for self-assembly

Packing tables 2,750 mm wide – example orders

Example 3

Includes:

- Workbench W 2,750 x D 900 x H 890 mm, base, silver, powder-coated, work surface either made from multiplex board or laminate
- 1 wall cupboard W 527 x D 630 x H 382 mm, with 3 drawers (drawer height 100 mm), load 50 kg per drawer, pale grey housing, RAL 7035, gentian blue drawers, RAL 5010
- Table structure, silver, powder-coated, clear width 2 x 1,282 mm, either 400 or 500 mm deep, incl. 4 lengthwise reinforcement belts, painted silver
- 5 shelves, painted silver, W 1,282 mm, height adjustable in increments of 53 mm, load capacity up to 150 kg
- 1 perforated rear panel W 1,282 x H 371 mm



Article	Table dimensions W x D x H (mm)	Structure dimensions W x D x H (mm)	Work surface material	Order no.
PT27-3M4	2,750 x 900 x 890	2,656 x 400 x 2,278	Multiplex	333240
PT27-3L4	2,750 x 900 x 890	2,656 x 400 x 2,278	Laminate	333250
PT27-3M5	2,750 x 900 x 890	2,656 x 500 x 2,278	Multiplex	333260
PT27-3L5	2,750 x 900 x 890	2,656 x 500 x 2,278	Laminate	333270

Example 4

Includes:

- Worktable W 2,750 x D 900 x H 890 mm, base, silver, powder-coated, work surface either made from multiplex board or laminate
- 2 wall cupboards W 527 x D 630 x H 382 mm, with 3 or 4 drawers (drawer height 100/75 mm), load 50 kg per drawer, pale grey housing, RAL 7035, gentian blue drawers, RAL 5010
- Table structure, silver, powder-coated, clear width 2 x 1,282 mm, either 400 or 500 mm deep, incl. 4 lengthwise reinforcement belts, painted silver
- 4 shelves, painted silver, W 1,282 mm, height adjustable in increments of 53 mm, load capacity up to 150 kg
- 1 perforated rear panel W 1,282 x H 371 mm
- 1 shelf W 1,313 x D 210 mm, height adjustable at intervals of 53 mm, can be fitted in 4 positions (10°, 0°, -5 and -16°), incl. stop rail
- 8 x LF 221 semi-open front containers, made from polypropylene, colour blue, L 230 x W 150 x H 122 mm
- 1 roll holder W 1,200 mm can be fitted in 3 positions, load capacity up to 50 kg
- Glare-free workstation lighting 2 x 36 W with 3 m cable



Article	Table dimensions W x D x H (mm)	Structure dimensions W x D x H (mm)	Work surface material	Order no.
PT27-4M4	2,750 x 900 x 890	2,656 x 400 x 2,278	Multiplex	333280
PT27-4L4	2,750 x 900 x 890	2,656 x 400 x 2,278	Laminate	333290
PT27-4M5	2,750 x 900 x 890	2,656 x 500 x 2,278	Multiplex	333300
PT27-4L5	2,750 x 900 x 890	2,656 x 500 x 2,278	Laminate	333310



Pedestal and work surfaces



Heavy duty pedestal

Pre-drilled for mounting work surfaces and shelves.
Welded-on footplates, pre-drilled for bolting to the floor.
Can bear an evenly distributed, static 500 kg load.

Article	D x H (mm)	Order no.
WF807	665 x 800	107904 107905
WF857	665 x 850	107914 107915

Height adjustable pedestals

Pre-drilled for mounting work surfaces and shelves.
Welded-on footplates, pre-drilled for bolting to the floor.
Adjustable height from 641 - 959 mm, pitch 26.5 : 26.5 mm.
Can bear an evenly distributed, static 400 kg load.

Article	D x H (mm)	Order no.
WFH707	665 x 641 - 959	107944 107945

With work surface lengths of 2,750 mm 3 pedestals are required

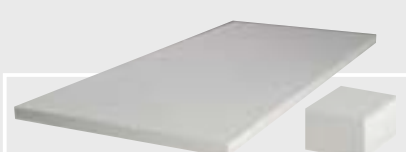


Multiplex work surface

Quality grade I/II beech veneer, multi-layered, bonded and waterproof with polished edges. Absolutely rigid, crack-resistant, resistant to high temperatures and mechanical stresses. Largely resistant to oil, grease, organic solvents, weak acids and alkalis. Linseed oil finish.

Work surfaces with a length of 2,750 mm are supplied in two parts (tongue/groove connection).

Article	L x D x H (mm)	Order no.
MP 1594	1,500 x 900 x 40	333320
MP 2794	2,750 x 900 x 40	333321

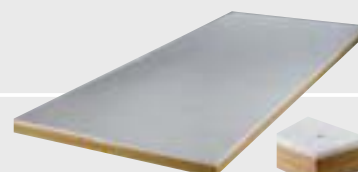


Synthetic resin-coated board

With 0.8 mm HPL coating, 2 mm edging strip. Easy to clean, good chemical resistance. Resistant to organic solvents.

Work surfaces with a length of 2,750 mm are supplied in two parts (tongue/groove connection).

Article	L x D x H (mm)	Order no.
KH 1594	1,500 x 900 x 40	333330
KH 2794	2,750 x 900 x 40	333331



Solidur plate, changeable coating

The selected beech multiplex carrier plate has a polyethylene plastic plate with metric recessed bolts affixed to it. The advantage of this is the two-sided use of the plastic plate and the simple re-ordering of the plate that is subject to wear (CNC-drilled).

Work surfaces with a length of 2,750 mm are supplied in two parts (tongue/groove connection).

Article	L x D x H (mm)	Order no.
SD 1594	1,500 x 900 x 40 + 8	167581
SD 2794	2,750 x 900 x 40 + 8	167582



Multiplex support base

Beech multi-layer board, 20 mm thick. Milled edges, untreated surface.

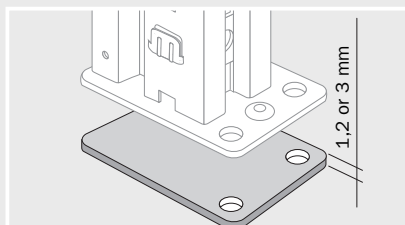
Article	L x D (mm)	Order no.
ABM155	1,500 x 560	107891
ABM205	2,000 x 560	107894



Chipboard support base

Bare chipboard, 19 mm thick, with PVC trim.

Article	L x D (mm)	Order no.
AB155	1,500 x 560	21601
AB205	2,000 x 560	21611



Shim plates

Sheet metal, galvanised. To correct any slight unevenness in floor levels.

Article	Thickness (mm)	Order no.
UP 3001	1	147450
UP 3002	2	147070
UP 3003	3	147460

Workbench back panels



Table support frame

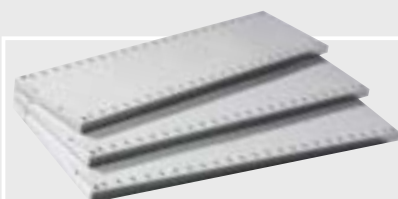
Profiled steel support, 60 x 31 mm, pale silver powder-coated, with system lug spacing of 53 mm. Shortened front support for fastening onto the table top.

Article	D x H (mm)	Order no.
PTR 3422V	400 x 2,278	333350
PTR 3522V	500 x 2,278	333360
PTR 3622V	600 x 2,278	333370

Horizontal braces

Lengthwise fixing and reinforcement element. Plugged into the rear support of the table structure. Painted silver. Two horizontal braces are always required for each bay.

Article	Length (mm)	Order no.
LV 3103	994	145060
LV 3133	1,282	145070



Dividing shelves

To divide the workbench back panels into varying heights. Sheet metal. Equipped with rows of slots to accommodate dividers, slot spacing 41 mm.

Article	W x D (mm)	Load (kg)	Order no.
Galvanised surface			
ZB 4413 V	994 x 400	100	27012
ZB 4513 V	994 x 500	100	27032
ZB 4613 V	994 x 600	100	27072
ZB 9415 V	1,282 x 400	150	38102
ZB 9515 V	1,282 x 500	150	38112
ZB 9615 V	1,282 x 600	150	38132
Painted silver surface			
ZB 4413 L	994 x 400	100	27010
ZB 4513 L	994 x 500	100	27030
ZB 4613 L	994 x 600	100	27070
ZB 9415 L	1,282 x 400	150	38100
ZB 9515 L	1,282 x 500	150	38110
ZB 9615 L	1,282 x 600	150	38130

Storage shelves

Bolt-free suspension into the back panel uprights. Can be tilted in 4 positions (10°, 0°, -5° and -16°). Height adjustable in increments of 53 mm. Base load capacity 20 kg.

Article	W x D (mm)	Order no.
AB10T1	1,024 x 105	169751
AB10T2	1,024 x 215	169761
AB10T3	1,024 x 320	169771
AB13T1	1,312 x 105	169801
AB13T2	1,312 x 215	169811
AB13T3	1,312 x 320	169821

End stop rails

Article	Length (mm)	Order no.
ASL 10	1,000	167180
ASL 12	1,250	167190



Dividers

For dividing shelves. Sheet metal, galvanised. The dividers can be inserted at a distance of 41 mm.

Article	for shelf depths (mm)	Divider-height (mm)	Order no.
Freestanding dividers (with wire connectors)			
TRF-D 4427	400	275	27380
TRF-D 4527	500	275	27390
TRF-D 4627	600	275	27400
Full height dividers			
TR 4440	400	341	27210
TR 4450	400	500	27240
TR 4540	500	341	27220
TR 4550	500	500	27250
TR 4640	600	341	27230
TR 4650	600	500	27260



Semi-open front containers, see page 24.

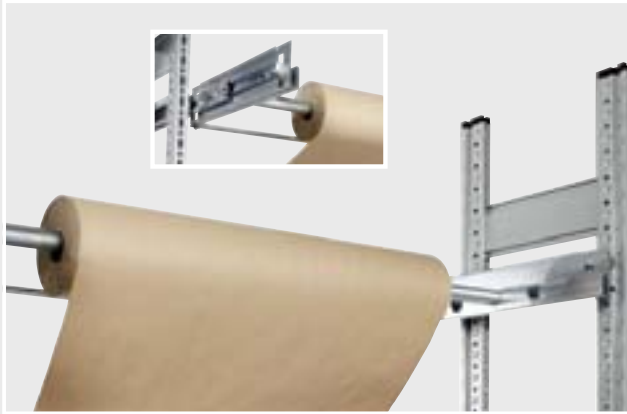


Perforated back panels

For bolt-free attachment to the back panel uprights. With square holes. Painted silver. Tool holder, see page 25.

Article	W x H (mm)	Order no.
TA-LR10-7	994 x 371	169611
TA-LR13-7	1,282 x 380	169621

Accessories



Roll holder

Different packaging rollers fit onto this universal holder. 3 insert positions. Load capacity up to 50 kg. Galvanised.

Roll holders that can be removed going forward on request.

Article	W x D (mm)	Order no.
RH 3104	900 x 400	333380
RH 3105	900 x 500	333381
RH 3106	900 x 600	333382
RH 3134	1,200 x 400	333390
RH 3135	1,200 x 500	333391
RH 3136	1,200 x 600	333392



Cutting device

The ergonomically designed cutting block cuts safely in both directions. The knife blade can be replaced with a handle. Cassette with round knife for paper, corrugated cardboard, etc., cassette with blade for all soft films. A mechanical clamping device ensures easy insertion of the material and safe gripping after each cut.

Article	Cutting width (mm)	Dimensions W x D x H (mm)	Order no.
SV 1000	1,000	1,283 x 250 x 280	167583



Undertable dispenser

For paper and film rollers of 400 and 650 mm width and 240 mm diameter, max. 20 kg. Practical one-hand operation. Easy roll change due to folding tear-off rail and expandable axle holder. Sprung tear-off rail for constant pressure and good separation. With toothed rack for paper and film as standard. Support elements made from high quality polyamides, matt black.

Article	Overall width (mm)	Roll width (mm)	Order no.
UA 500	500	400	167584
UA 750	750	650	167585



Waste bag holder

For rapid waste disposal at the workstation. Stable steel tube frame with clamping bracket for secure hold. Powder-coated, light grey RAL 7035. Fits 70 – 120 litre waste sacks.

Variants: Can be pulled out completely on ball bearing system for fastening onto the underside of the table top or with pivot arm for fixing onto the pedestal.

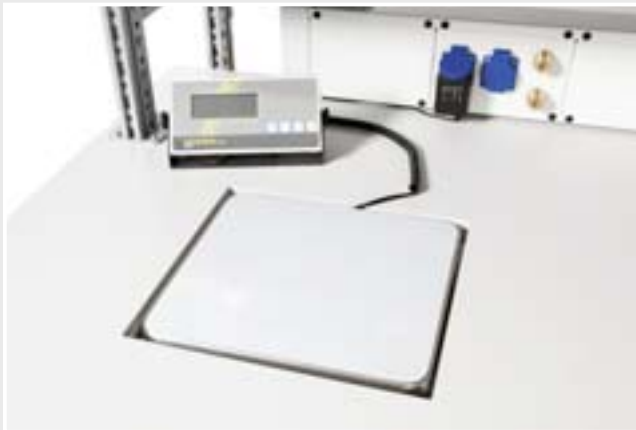
Article	Version	Order no.
MSK-UT	Fully extendable	167598
MSK-BF	Pivot arm	167599

Accessories

Carton carriage

Stable frame construction made from welded angle steel, powder-coated gentian blue, RAL 5010 with trimmed plywood plate (plastic-coated surface) and 4 insert brackets. Undercarriage: 2 swivel and 2 fixed castors, wheel Ø 75 mm. Load capacity 200 kg based on even load distribution.

Article	Loading surface W x D (mm)	External dimensions W x D x H (mm)	Weight (kg)	Order no.
KTW 806	800 x 500	800 x 604 x 120/565	22	167586








Other accessories

upon request



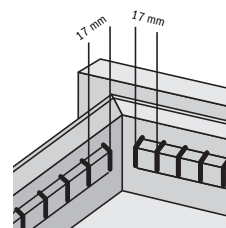
Drawer blocks, vice systems



RAL 7035 LIGHT GREY	RAL 7035 LIGHT GREY		RAL 7035 LIGHT GREY	RAL 7035 LIGHT GREY	
		Casing			Additional colour combinations on request
GENTIAN BLUE RAL 5010	RUBY RED RAL 3003	Fronts	SILVER	LIGHT GREY RAL 7035	
		W x H x D (mm)		527 x 382 x 630	
		usable width x			
		usable depth (mm)		442 x 459	
		clear height (mm)		300	

	W x H x D (mm)	527 x 382 x 630
	usable width x	
	usable depth (mm)	442 x 459
	clear height (mm)	300

- **High-grade sheet metal**
powder-coated
- **Central lock**
with keys
- **Drawers**
Slots in 17 x 17 mm pitch
(17 mm = 1 partition), max. load 50 kg,
ergonomic aluminium grip strips

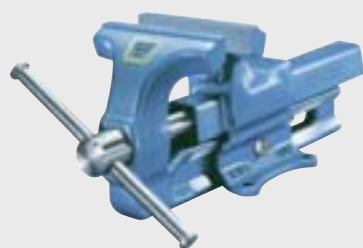


Divider material for drawers

upon request

SB 53 drawer units, depth 630 mm, semi-extendable drawers, partition: 26 x 27 D

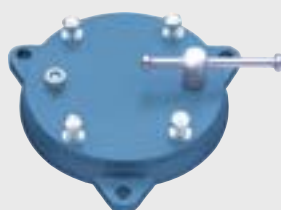
Article	Order no.	Article	Order no.	Article	Order no.
With 2 drawers		With 3 drawers		With 3 drawers	
SB 5305	26T 38486 38483	SB 5301	26T 38456 38453	SB 5302	26T 38466 38463
With 3 drawers		With 4 drawers		With 4 drawers	
SB 5306	26T 38496 38493	SB 5303	26T 38476 38473	SB 5304	26T 38506 38503



Parallel vice system "HEUER"

Cast from solid steel, guaranteed unbreakable. The protected precision spindle bearing is within the die-forged front jaw of the vice and is optimally protected against damage and contamination.

Article	Weight approx. (kg)	Clamping width (mm)	Order no.
PS-100	4.5	125	108920
PS-120	9.0	150	108921
PS-140	16.0	200	108922
PS-160	27.0	225	108933



Turntable for vice system "HEUER"

Can be locked quickly and securely in any position. Closed support panel prevents penetration of chips and dirt. Turntable and support panel processing, providing precise guidance

Article	Weight approx. (kg)	For jaw width (mm)	Order no.
DT-PS100	1.8	100	108934
DT-PS120	2.5	120	108923
DT-PS140	4.6	140	196552
DT-PS160	7.2	160	196553



Compact vice system "HEUER"

With rapid adjustment. The opening width display assists with presetting work. The parallelism of the jaws during clamping is not affected by the spindle play required for the rapid adjustment to work optimally. A spring ensures secure locking in the required position.

Article	Weight approx. (kg)	Jaw width (mm)	Order no.
H-CS100	4.5	120	333810

Lifting tables



Mobile material supports

The 4-stage incline adjustment of 0 – 40° and the infinite height adjustment (not below load) permit an optimal, ergonomic working position when seated or standing. The height can be adjusted manually. Full rubber swivel castors with lock (Ø 75 mm) provide mobility. The steel plate platform is equipped with a 30 mm high contact edge. Colour: Gentian blue, RAL 5010.

Article	Height adjustable (mm)	Platform L x W (mm)	Load capacity (kg)	Order no.
FM 517	510 – 700	500 x 400	150	174904
FM 721	720 – 1,070	500 x 400	150	174905



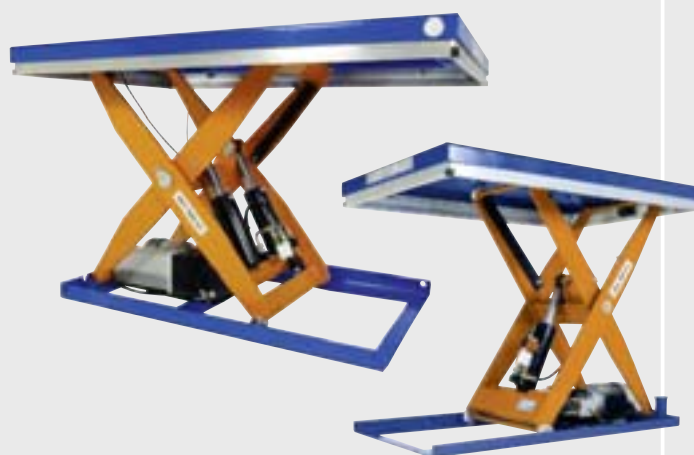
Scissor lifts

For lifting, lowering and transporting, always at the right working height. Lifting via pump pedal, lowering via infinite lower lever. With 2 fixed castors and 2 swivel castors, Ø 128 x W 40 mm. Platform dimensions: W 500 x L 850 mm. Colour: red.

Article	Load capacity (kg)	Lifting range (mm)	Dimensions W x D x H (mm) open/closed	Order no.
SHW 300	300	285 – 850	500 x 985 x 984/315	174902
SHW 500	500	295 – 885	500 x 1,120 x 990/390	174903

Lifting tables

- Hydraulic cylinder with chrome-plated piston rods
- PCL control with programmable functions, protection class IP 54
- Control voltage 24 V DC
- Control element for lifting and lowering with deadman function. "Up", "Down" emergency stop with locking function. Protection class IP 65, cable for control element 3 m long
- All-round safety strip with acknowledgement function, mechanical pipe break valve in the cylinder, electromagnetic pipe break valve on the cylinder, service supports, overpressure and constant flow valve, adjustable lowering speed. Construction and manufacture conforming to EN 1570
- Platform and base frame in signal blue, RAL 5005. Cutting and moving parts in signal orange, RAL 2010
- Maintenance-free slide bearing in the scissors
- Tried and tested in 8-hour operation



Article	Load capacity (kg)	Height (mm)	Usable hoist (mm)	Limit height (mm)	Table top L x W (mm)	Hoist time (approx. sec.)	Performance (KW)	Weight (approx. kg)	Order no.
CRD 200*	200	280	1,170	1,450	900 x 600	12	0.37	85	174906
CR 500	500	160	600	760	900 x 600	12	0.37	90	174907
CR 1000	1,000	160	600	760	900 x 700	23	0.37	110	174908
CL 1001	1,000	180	820	1,000	1,200 x 800	15	0.75	152	174909
CB 1500	1,500	210	1,000	1,210	1,500 x 800	17	1.5	255	174912
CB 2000	2,000	200	820	1,020	1,300 x 800	17	1.5	200	174913

*with double scissors



Picking/packing carriages



► Stable frame construction

made from welded angle steel, powder-coated with trimmed plywood plate (plastic-coated surface)

► Tyres

2 fixed and 2 swivel castors with solid rubber tyres

Platform trolley with front panel or sliding handle

With boltless front panel or boltless sliding handle. Walls and loading area made from stable plywood plate. Handle height 950 mm, wall height 500 mm. Load bearing capacity 500 kg.

Article	W x D (mm)	Finish	Weight (kg)	Order no.
PFW 107	1,000 x 700	with sliding handle	34	168471
PFW 128	1,200 x 800	with sliding handle	38	168481
PFWS 107	1,000 x 700	with front panel	36	168491
PFWS 128	1,200 x 800	with front panel	40	168501



Platform trolley with double front panel

With boltless sliding handles. Walls and loading area made from stable plywood plates. Wall height 500 mm, handle height 950 mm. Load bearing capacity 500 kg.

Article	W x D (mm)	Weight (kg)	Order no.
PFWDS 107	1,000 x 700	42	168511
PFWDS 128	1,200 x 800	46	168521



Service trolley

The levels consist of plywood plates in a beech finish. Level height 190/820 mm. 2 fixed castors and 2 swivel castors, Ø 125 x W 38 mm. Both swivel castors with wheel adjusters acc. to EN 1757-3. Load bearing capacity 200 kg.

Article	Loading surface W x D (mm)	External dimensions W x D x H (mm)	Order no.
ETW 08-2W	800 x 500	977 x 500 x 1,002	174881
ETW 10-2W	1,000 x 600	1,177 x 600 x 1,002	174891



Service trolley with 2 side panels

The welded angle steel construction in the side walls (distance 215 mm) provides space for 6 level floors made from multi-layer plywood with plastic-coated surface. With stabilising, bolted intermediate rod. 2 fixed castors and 2 swivel castors with solid rubber tyres (Ø 200 mm), incl. 1 swivel castor with lock. Loading height 275 mm. Level floor spacing 215 mm. Load bearing capacity 500 kg.

Article	W x D (mm)	Version	Weight (kg)	Order no.
ETWS 107	1,000 x 700	with 3 storage shelves	67	168591
ETWS 128	1,200 x 800	with 3 storage shelves	84	168601
Additional shelves				
ZZB 107	1,000 x 700			168630
ZZB 128	1,200 x 800			168640



GENTIAN BLUE



RAL 5010

- **Permanently welded steel construction**
high quality plastic powder coating, resistant to impact, scratches and corrosion
- **Tyres**
2 swivel castors (including 1 with lock) and 2 fixed castors, Ø = 200 x 50 mm, with solid rubber tyres

Mesh trolley

One longitudinal wall can be folded in half.
Loading area made from MDF plate.
Wall height 800 mm. Load bearing capacity 500 kg.

Article	W x D (mm)	Order no.
GTW 107	1,000 x 700	168571
GTW 128	1,200 x 800	168581



Mesh four-sided trolley

Loading area made from multi-layer glued plywood.
Mesh 50 x 50 x 4 mm. All walls can be removed or inserted as required. Wall height 500 mm. Load bearing capacity 500 kg.
Undercarriage 2 swivel castors (including 1 with lock) and 2 fixed castors, Ø = 200 mm, with solid rubber tyres and roller bearings.

Article	Loading surface W x D (mm)	External dimensions W x D x H (mm)	Weight (kg)	Order no.
GPS4-107	1,000 x 700	1,120 x 700 x 990	52	174761
GPS4-128	1,200 x 800	1,320 x 800 x 990	58	174771



Platform trolley

With 2 dividing rod frames. Dividing rod height 600 mm. 7 plug-in positions possible. Plywood load surface with plastic-coated surface.
Load bearing capacity 500 kg.

Article	W x D (mm)	Version	Weight (kg)	Order no.
PWDRB 107	1,000 x 700	with 2 dividing rod frames	39	168531
PWDRB 128	1,200 x 800	with 2 dividing rod frames	43	168541
Additional dividing rod frames				
RBR 107	1,000 x 700			168551
RBR 128	1,200 x 800			168561



Platform trolley

Plywood load surface (either with zinc panel support).
7 plug-in positions possible. 2 swivel castors with lock.
Load capacity 500 kg. Please order insertable brackets separately.

Article	Loading surface W x D (mm)	Version	Order no.
BPW 128-Z	1,200 x 800	Load surface with zinc panel support	174781
BPW 128	1,200 x 800	Load surface without zinc panel support	174791
Insert brackets			
EB 30	300 mm high		174801
EB 60	600 mm high		174811
EB 90	900 mm high		174821



E-Pick – Increased efficiency in the warehouse

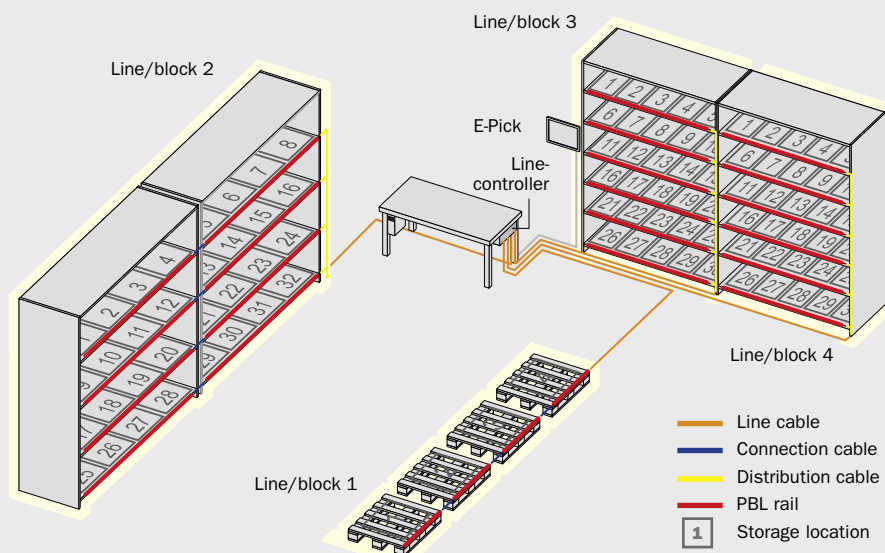
Light-controlled picking system minimises search times.

Easy handling and installation for warehouses with up to 800 storage spaces.

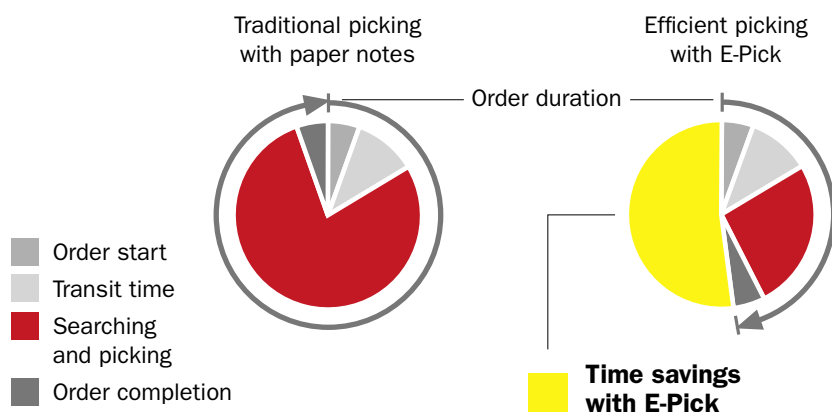
E-Pick provides the option of equipping a professional warehouse fully or partially with pick-by-light thanks to a simple modular system design – cost-effective, without significant programming work.

The user installs the entire application without any specialist IT knowledge using a graphical user interface in a short space of time.

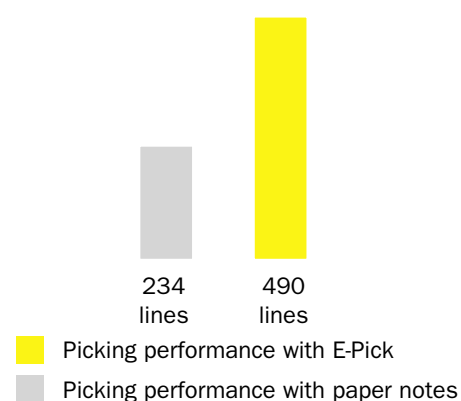
The E-Pick can achieve a pick performance level of 600 lines per hour. In comparison to standard picking methods, this represents an efficiency increase of 300%. The picking quality is also increased ten fold.



Turnaround times for picking with E-Pick and paper notes in direct comparison



Comparison of picked lines per hour. Double the output with E-Pick!



pick@work – Increased assembly work quality

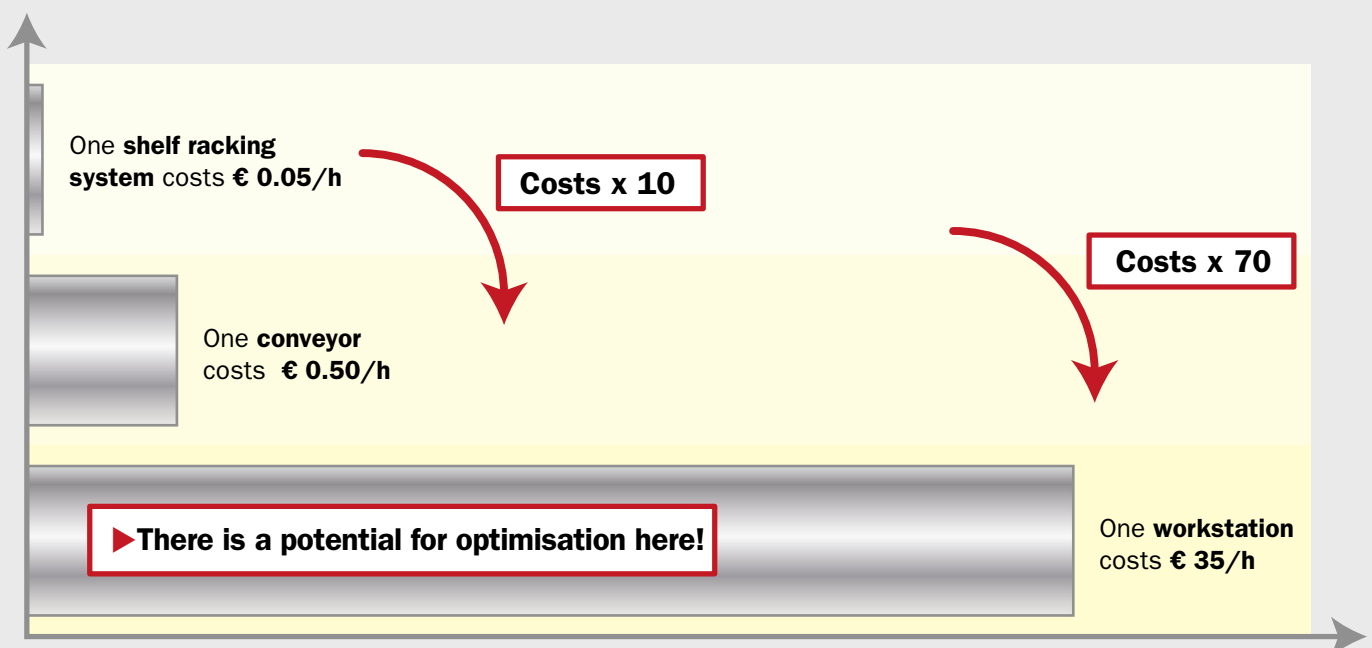
Light-controlled assembly system maximises the performance on manual assembly workstations. Workflow specifications and integrated assembly instructions optimise your working procedures.

The innovation: The system combines ergonomic workstations with pick-by-light and leads staff step by step through the assembly process via displayed instructions.

The employee selects the jobs via the display, and the storage locations are illuminated in the correct sequence. In this process, images or diagrams of the assembly steps lead the employee step by step through the work

process via the instructions displayed. The complexity of the process is clear, the error rate is minimised and quality guaranteed.

Intelligent order picking and assembly strategies provide optimum process workflows, increased productivity levels and ergonomics at the workstation.



► **Greater staff satisfaction, fewer sick days and improved productivity levels. These are the proven results of the pick@work concept.**



Efficiency and quality assurance XXL – with pick@work

Challenging assembly work always needs to bear economic factors in mind.

The pick@work technology helps you to optimise work processes, increase efficiency and raise quality standards. Naturally ergonomic aspects are taken into account at all times – for the health of your employees.

Your advantages:

- ▶ Minimisation of error quota via prescribed assembly steps
- ▶ Simple self-assembly
- ▶ Integration of graphics, plans, images, etc. possible without problems
- ▶ Integration of intelligent tools and assembly aids possible
- ▶ High-quality products from the world market leader for intralogistics
- ▶ Everything from one source

Choose between three different operating modes:

- ▶ Standalone operation (data exchange via USB, no database connection)
- ▶ Advanced operation (with SQL database connection, no ERP activation)
- ▶ High-end operation (with SQL database connection, with ERP activation and automated feedback functions)

Easy integration of the pick@work system into your warehouse management system

XML file

Via the two USB ports on the pick touch panel, you can load the XML control files (order data, storage coordinates) required for operation into the terminal.

Direct database connection

If you already have an SQL-compatible database, you can enable tables or views (image data) and query these directly from the pick@work software on the assembly workstation. By integrating and allocating an IP address in this way, you turn the pick@work system into an integral part of your existing IT network. It is extremely easy to use. The following SQL-compatible databases are supported by the pick@work software: MS SQL Server, Oracle, PostgreSQL, My SQL and PervasiveSQL.

SAP@SSI

Optimise your assembly process, increase your productivity and reduce your process costs with the integration of the light-controlled pick@work assembly system and SAP. In your production planning we are your expert partner for integrating SAP solutions. Speak to us, we're happy to help.

Web service

You can set up a web service which communicates with the pick@work software to query the order data.

Touch terminal

With intuitive
user guidance



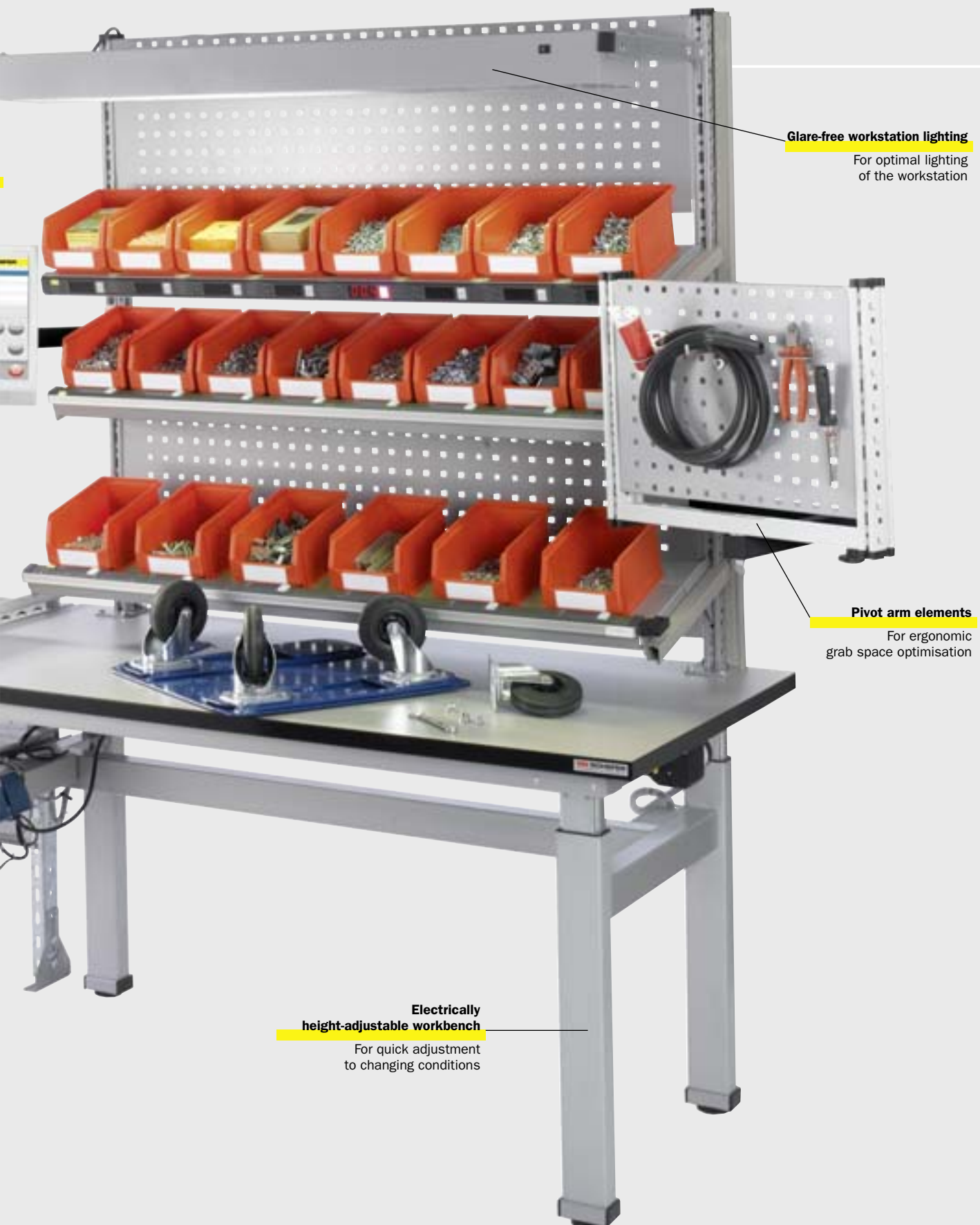
Intelligent conveyor technology modules

Conveys the goods
to the employee



Further information

upon request



Glare-free workstation lighting

For optimal lighting
of the workstation

Pivot arm elements

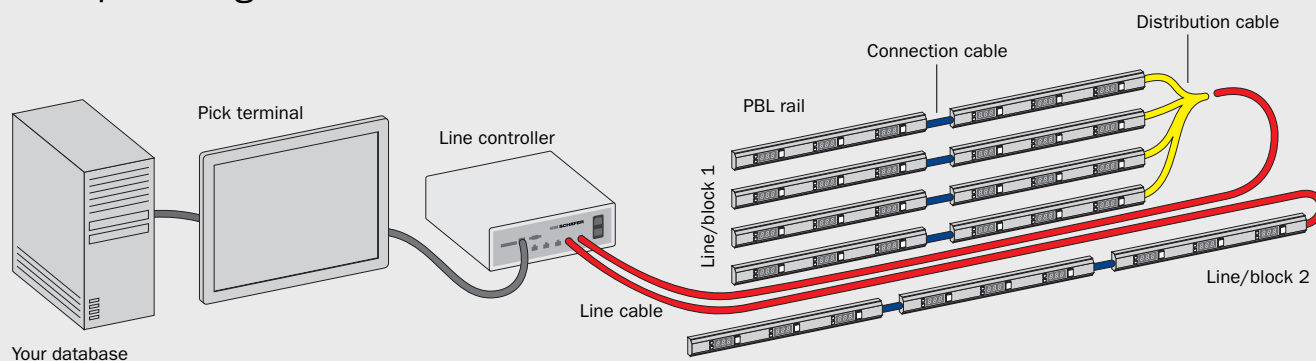
For ergonomic
grab space optimisation

**Electrically
height-adjustable workbench**

For quick adjustment
to changing conditions

pick@work components

Example configuration:



Pick terminal

This package consists of a 15 inch panel PC with the pre-installed pick software in German and English that makes parameterising and equipping your warehouse or workstation with PBL rails simple child's play. A 2 metre long network cable, a parameterisation cable and an Ethernet switch are also supplied. Two 230 V sockets are required for the power supply to the panel PC and switch.

Article	Dimensions W x D x H (mm)	Order no.
E-Pick 15	363 x 60 x 285	333751
pick@work	363 x 60 x 285	333812



Line controller

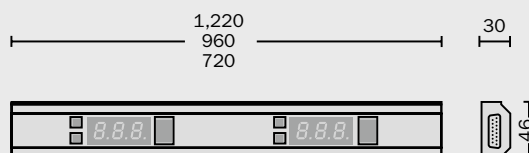
The line controller powers the individual pick stations and operates the communication between pick terminal and pick station. A maximum of 200 pick stations distributed across 5 interfaces are supplied. The line controller is supplied with a 2 metre long network cable. A 230 V socket is required for the power supply.

Article	Dimensions W x D x H (mm)	Order no.
LC 5	330 x 268 x 120	333752



PBL rail, pre-assembled

In three different lengths, with the required number of pick stations according to need. Fast and simple to install. Mounting brackets included. Pick station colour: red.



Article	Dimensions L x H x T (mm)	Number of pick stations	Order no.
PBL 122/6	1,220 x 46 x 30	6	333753
PBL 122/5	1,220 x 46 x 30	5	333754
PBL 96/5	960 x 46 x 30	5	333755
PBL 96/4	960 x 46 x 30	4	333756
PBL 72/3	720 x 46 x 30	3	333757

pick@work components



Line cable

For up to 50 pick stations, one line cable of the relevant length is required that connects the line controller to the pick stations.

Article	Length (mm)	Order no.
LK 100	1,000	333758
LK 500	5,000	333759
LK 1000	10,000	333760



Distribution cable

A distributor cable is required to connect the individual shelves to the line cable. This cable distributes the signal on 2, 3 and 6 levels/shelves.

Article	For no. of levels	Order no.
VK 2	2	333814
VK 3	3	333761
VK 6	6	333762



Rail connector/extension cable

Connection cables are used to facilitate the supply from one rail to the next. These cables can also be used as an extension to the line cable.

Article	Length (mm)	Order no.
SV 15	150	333763
SV 100	1,000	333764
SV 1000	10,000	333765



Scanner

A scanner can be used to automate the order start. To this end, we offer a wireless hand-held scanner that is connected to the terminal via a USB interface. Incl. base and charger station.

Article	Order no.
GM 4100	333815



Rail assembly kit

Consists of 4 components. Alu rails with plastic coating, 1.25 m cable set with slots for 6 pick stations or multilights including end pieces. The pick stations/multilights can also be used to extend pre-assembled PBL rails.

* Pick stations not included

Article	Description	Order no.
SBS 1	Alu rail, 2,000 mm long, with plastic coating	333767
SBS 2	Cable set, 2,000 mm long, for max. 6 pick stations*	333768
SBS 3	Pick station, single, 150 mm long	333769
SBS 4	Multilight, single, 70 mm long	333730

Cable duct

To lay the distributor or line and extension cables in a protected position, plastic cable ducts are used and adapted by the customer on-site.

Article	Dimensions L x W x D (mm)	Order no.
KK 2 250	2,000 x 20 x 20	333770

SQL database link-up

Service package 1:
Software engineering and programming

An SSI SCHAEFER software developer visits you on-site, requires access to the existing database structure to analyse it, and then conducts a meeting with you to discuss the options for implementing the link-up.

Based on the data and facts obtained on-site, SSI SCHAEFER prepares a quotation for the required software adapters (and any additional hardware required) and produces a feasible schedule for implementing the software link-up.

Article	Order no.
DP1	Service package 1 333704

SAP@SSI link-up



Service package 2:
Software engineering and programming

Prerequisite: Service package 1

An SSI SCHAEFER-SAP/ERP software developer visits you on-site, requires access to the existing SAP/ERP modules, data and reporting structures to analyse them, and then conducts a meeting with you to discuss the options for implementing the link-up.

Based on the data and facts obtained on-site, SSI SCHAEFER prepares a quotation for the required modifications and produces a feasible implementation schedule.

Article	Order no.
DP2	Service package 2 333705



Further information

upon request

Simple, safe and scalable – the SSI Autocruiser

The Autocruiser from SSI SCHAEFER is a cost-effective, extremely flexible transport system and is ideal for smaller to moderate throughputs with loads up to 30 kg. The system consists of transport trolleys that run automatically on a robust rail system. This means that the transport solution is not only very easy to scale, but can also be used for significant distances.

The simple and high quality system design both minimises sources of error and ensures rapid commissioning and training. Another advantage is the easy-to-understand and yet ingenious control concept that also reduces commissioning costs and shortens training times.

Thanks to these clever features, the Autocruiser closes the gap between transport operations using a forklift and using conventionally driven conveyor technology.

Features and benefits

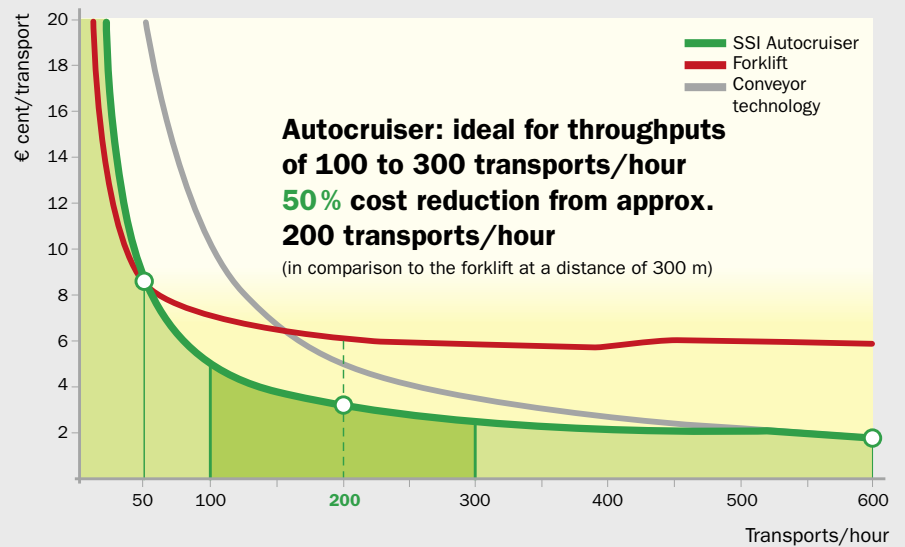
- ▶ The control – both simple and ingenious as no central control system is required
- ▶ Universal support platform for virtually all transported goods
- ▶ Scalable solution for low to moderate throughputs
- ▶ Easy expansion and layout modification
- ▶ No complex and costly cabling along the routes
- ▶ No pneumatics in the system
- ▶ All components are supplied using standard 110 – 240 V 2-phase alternating current
- ▶ Energy savings of up to 70% in comparison to transport using a forklift
- ▶ Cost-effective
- ▶ Robust design with low maintenance costs
- ▶ Simple commissioning with minimal training requirements



For virtually all transport tasks with low to moderate throughputs (around 10 to 500 transports per hour), the Autocruiser is really able to show its strengths:

- ▶ Connection between production and warehouse
- ▶ Supply of employees and machines with tools or other equipment
- ▶ Inter-connection of production lines
- ▶ Connection between buildings
- ▶ Handling of special products and returns into the logistics centres

There are virtually no restrictions placed here on the type and shape of the transported goods. The SSI Autocruiser is a universal transport platform for containers, cartons, bags and even products without any additional load carriers.



SSI Autocruiser – simple yet ingenious

The SSI Autocruiser is designed for manual loading and unloading. In this process, the sender of the transport assigns the route for the carriage with the destination in the form of a destination card. When the carriage reaches a decision point, such as a switch-point, turntable or lifting element, a scanner then reads the destination card. Using this information, it decides the direction in which the transporter needs to go to reach its destination.

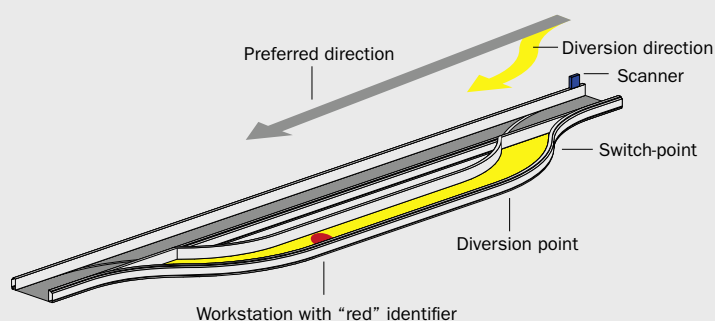
All that is required to program the control is to specify the destinations of the different directions to the decision elements – similar to the road signs on a set of road traffic lights. This is implemented using what are known as learning cards that are run through the scanners at junction points during commissioning. This means that neither a computer nor software is required for the setting work.

This quickly becomes clear thanks to the example of a switch-point used to divert to a workstation (see sketch). “Straight ahead” is set as the preferred direction and the destination with the red dot as the “turn-off direction”.

This means that all carriages that do not have a red card,

go straight ahead. Carriages with red cards are shunted off to the workstation.

The Autocruiser carriages do not collide with one another, but stop automatically if the route is blocked. Once the route is clear again, the journey is continued. This means that the system can act as a buffer in the material flow. The individual transporters also automatically detect whether the stored energy is running down and actuates a charger station at an appropriate time.



Destination card



Enable key



Workstation with assembly table

Carriage

For manual loading and unloading. Max. transport weight 30 kg. Sensors on the front are used for distance control to the front carriage and for pausing with different rail components. With on/off switch. The carriages can simply be raised by hand from the rails and placed down again. Empty weight: 25 kg

Article	Order no.
SAC-WA30	196554

Straight line / Variable straight line

To cover tracks from 1,200 – 2,400 mm. Variable straight lines for tracks from 200 – 800 mm.

Article	L (mm)	Order no.
SAC-VGS800	800	196558
SAC-GS1200	1,200	196559
SAC-GS1800	1,800	196561
SAC-GS2400	2,400	196562

Charger station

At the charger station, the carriages stop automatically and are charged for a shorter or longer period depending on their charge status. The charging time is approx. one tenth of the running time. The charger station is integrated as a straight track with a length of 1,200 mm. Please note the intended travel direction.

Article	Order no.
SAC-LST12	196555

Curve

Available in different angles. In addition, +/- 2° can be compensated for via spacer gaps in the connecting parts. Internal radius 1,125 mm, width 405 mm.

Article	Angle	Order no.
SAC-KU08	8°	196568
SAC-KU25	25°	196567
SAC-KU30	30°	196566
SAC-KU45	45°	196563
SAC-KU60	60°	196565
SAC-KU90	90°	196564

Switch-point

To divide one track into two, and to combine two tracks into one. Left and right hand version, connection angle 45°. The switch-point itself has a length of 1,200 mm on the track being implemented as a straight line. Throughput: up to 500 transports/h, depending on how often a switch-point changeover is required.

If the switch-point is used for branching off, a partial length identified as “entrance” must be used in front of the switch-point. This component is available in a straight version or in an angle of 45° to the right or left. If this is used as a connecting piece, 2 of these components are required (one on each entrance position).

Article		Order no.
SAC-WL	Switch-point, left	196556
SAC-WR	Switch-point, right	196557

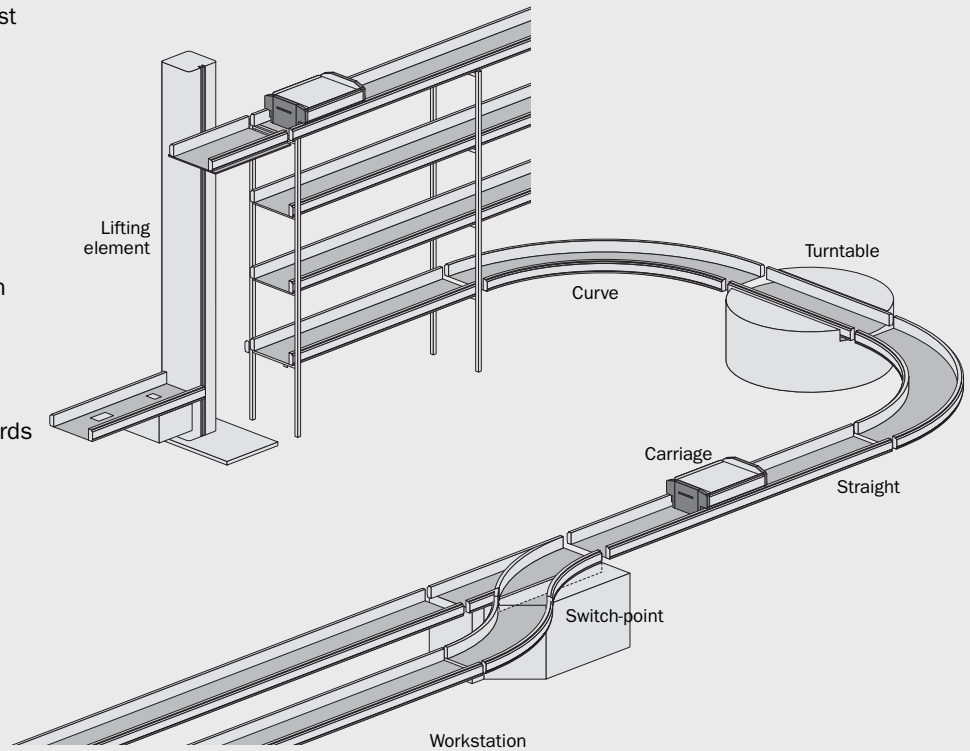
**Further information**

upon request

Technical data

Speed:	max. 1 m/s
Transported goods area:	600 x 400 mm
Throughput:	up to 800/h
Autonomy:	0.5 km
Control:	Destination cards
on the carriage	

All components are supplied pre-installed. This permits rapid and error-free assembly.



Switch-point



Workstation as handover point



Charger station

Turntable

Equipped with up to 5 connection pieces. The minimum distance between the connections is 35°. Throughput: over 250 transports/h. Radius including connection piece: 820 mm.

One connection piece is included with the turntable as standard.

Article	Order no.
SAC-DRT5	196569

Turntable connection piece

Connection piece connected to the turntable with the turntable entrances and exits. One piece is included with the turntable as standard. For example, if 1 entrance and 3 exits are required on a turntable, 3 of these components are required for the turntable.

Article	Order no.
SAC-ADRT	196571

Entrances / exits

Turntable and switch-points require special entrances and exits. In principle there is one entrance and one exit version available as straight pieces, as a 45° curve with right or left hand entrance or exit. The electrical connections are integrated with the switch-points and with the turntable. Length of straight section 800 mm.

A dividing switch-point requires 1 entrance. A combining switch-point requires 2 entrances.

A turntable requires at least one entrance and depending on the layout, up to 4 further entrances / exits. If a track is defined as an entrance and exit for a turntable, an entrance should be integrated for it.

Article		Order no.
SAC-KE45RE	Curve 45° entrance right	196572
SAC-KA45RE	Curve 45° exit right	196573
SAC-KE45LI	Curve 45° entrance left	196574
SAC-KA45LI	Curve 45° exit left	196575
SAC-GEA	Straight exit	196576
SAC-GEE	Straight entrance	196577

Workstation

Every carriage stops at the workstation for manual loading and unloading. Route is continued using the release button. The workstation is a straight path, 800 mm long.

Article	Order no.
SAC-AS800	196578

Gate

As transition for a partial track length. Can be used anywhere in the conveyor paths, manual activation. System length: 1,200 mm. Assembly: The 90° upright component must be positioned opposite to the travel direction when open.

Article	Transition width (mm)	Order no.
SAC-KL1270	700	196579

Lifting element

For covering heights or transport on different storeys. Components on request.

Roller tracks for automatic material supply

The advantages of modern workstation systems are only fully brought to bear when they are combined with efficient conveyor technology.

SSI SCHAEFER offers a comprehensive range of roller tracks as well as work tables, so that these workstations can be interconnected. It needs to be possible to measure the conveyor technology for ergonomic criteria, just as this is necessary for workstations and workstation accessories. This relates to ease of operation, noise generation and safety. The technology is therefore modified for human needs, not the other way around. No reduction in system performance is permitted as a result of these adaptations.

SSI SCHAEFER takes these various requirements into account and links the workstations to an efficient production line where the fitters waste no time in forwarding the assemblies.





Whisper conveyor technology

A further component of the ergonomics@work!® concept is represented by the FT-SLC whisper conveyor technology.

Following intensive research work in collaboration with an acoustics lab, SSI SCHAEFER has developed the new FT-SLC whisper conveyor technology. The noise level was reduced in over 10 components of the standard conveyor technology system.



The target noise reduction was between 3 and 30 dBA. “dBA” refers to the noise level difference on a logarithmic scale, with an increase of 3 dBA corresponding to a doubling of the noise level.

This means that either the entire system or just particularly sensitive areas, such as around high-value work stations, can be designed with noise-minimisation in mind.

The new FT-SLC whisper conveyor technology from SSI SCHAEFER minimises the acoustic load for staff and contributes to greater productivity levels, higher quality and thus increased profitability.



Examples of the noise reductions achieved

Stopper:	reduced by 26 dBA
Crosswise transfer:	reduced by 9 dBA
Segmentation:	reduced by 3 dBA

Interconnected workstation systems

The connection to ergonomically designed materials handling is key for the efficient transport of the work materials or workpieces.

In addition to the packing and assembly tables, SSI SCHAEFER also supplies all the conveyor technology that interconnects the individual workstations. The interlinking of the assembly stations with driven or non-driven roller tracks has the benefit that the employee can concentrate on the assembly work and does not need to worry about transporting the assemblies.

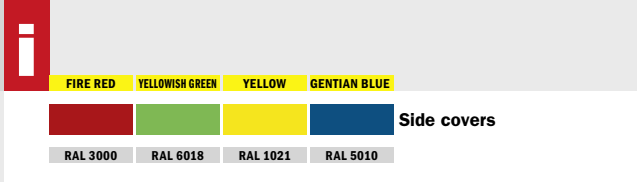
Flexible usage characterises the innovative SSI SCHAEFER conveyor technology. Whether cartons or containers, whatever the size; from a base length of 180 mm your products are quickly conveyed to the destination.

High throughput and diversion performance (up to 6,000 units/hour) in the sorter area guarantee fast order processing. Intelligent logistical solutions provide consistent container flow.

Your cost-effective competitive advantage

- ▶ High productivity and efficiency through high performance, reliable technologies and variable applications (container and carton conveying technology)
- ▶ Simple, modular system structure
- ▶ Extremely quiet functioning
- ▶ High profitability thanks to the latest production technologies
- ▶ Simple maintenance





Roller tracks without drive



The roller track is used for non-powered transport of conveyed goods. The roller version with ball bearings means that these are exceptionally smooth-running.

A sliding roller track is used anywhere where containers are moved manually, e.g. in the picking area.

A gravitation or gravity roller track tilts downwards viewed in the conveyor direction. The incline conveys the transport containers onward, e.g. to the dispatch areas.

Steel or plastic rollers are used.

Roller track

Article	Order no.
RB	334020

Technical data

Nominal widths (N) 275, 325, 375, 425, 525, 625, 825 mm

Conveyor width (W) N + 80 mm

Conveyor height (H) 100 mm

Conveyor length (L) On request

Roller pitch (RP) 60, 90, 120 mm

Distance between rollers

Roller diameter 50 mm

Incline with gravity 2 – 7°

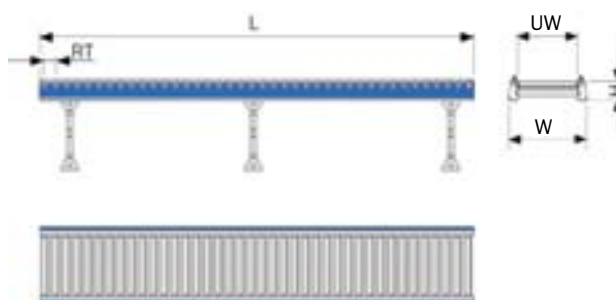
roller track

depending on the weight, transport unit and speed

Min. CUE 205 mm

Conveyor top edge Track height + floor fixing

Unladen weight max. 20 kg/rm



Load capacity max. 100 kg/rm

Load/roller max. 30 kg

Transport unit

Type Containers or cartons

Transport unit weight max. 50 kg/transport unit

Transport unit dimensions Length: 180 – 800 mm
Width: 120 – 800 mm

The transport unit must be in contact with at least three rollers at all times.



For your customised solution, please contact our expert consultants

Roller tracks with drive

Systematic movement in your warehouse – reliable, fast and quiet transport of your products. The perfectly balanced conveyor technology components ensure maximum flexibility. Whether a complete re-design, expansion or conversion – absolutely anything is possible.

- ▶ Use of conveyor paths in the low noise range up to 58 dbA
- ▶ Modular design of all components (e.g. supports, gates, curve drive lengths)
- ▶ Extremely long service life thanks to the use of advanced components, e.g. poly V belts instead of standard round belts
- ▶ High stability and simplest possible system maintenance thanks to axle-free roller technology with power transmission via clips
- ▶ Revolutionary SMR (Schaefer Motor Roller) technology permits 50 kg SMR transport



Intelligent concept, tried and tested design down to the smallest detail

- ▶ Conveyor technology profile in a stable C shape
- ▶ Standardised profile for roller tracks and belt conveyors
- ▶ Usable internal profile space as cable duct
- ▶ Integrated isolator in the profile for electrical shielding of data cables
- ▶ Flexible rails clipped onto conveyor technology profile
- ▶ Attractive, homogeneous and standardised look for all conveyor elements
- ▶ Ergonomic bevel
- ▶ Outside profile edges covered with a touch-friendly plastic profile
- ▶ Easy access for maintenance purposes, even during ongoing operation
- ▶ Extremely simple spare parts stocks





Conveyor technology

- ▶ Roller track
- ▶ Live roller conveyor
- ▶ Belt conveyor
- ▶ Accumulation roller conveyor
- ▶ ABC belt
- ▶ Schaefer motor roller track

Standard nominal widths

- ▶ 275 mm
- ▶ 325 mm, 375 mm
- ▶ 425 mm
- ▶ 525 mm
- ▶ 625 mm
- ▶ 825 mm

Diverter

- ▶ Roller switch RSW
- ▶ Belt transfer
- ▶ Pneumatic pusher
- ▶ Three-way dispatch ejector
- ▶ Roller switch RSW co (switch-point)

Curves

- ▶ Driven and gravity roller curve from 30 – 180 degrees

Standardised roller division 60 mm, max. 90 mm

- ▶ Maximum flexibility in the choice of conveyed goods, e.g. including the cross-wise transport of containers with a width of only 180 mm
- ▶ Extremely quiet running
- ▶ Maximum stability
- ▶ Minimal noise

Motor rollers and accumulation roller conveyors

- ▶ Equipped with ILT (Intelligent Light Switches). These are able to convey autonomously at zero-pressure. This applies to load carriers made from plastic and cartons. This ensures that the transported goods do not move on top of one another in jam situations. No control operations are necessary by the conveyor to achieve this.

Ergonomics on conveyor technology workstations ...

An important subject in ergonomics is workstation design. The issue here is ensuring efficient and error-free working and protecting personnel against any health impairments even when performing an activity for long periods. Ergonomics is also extremely important in the areas of preventative health at work, work safety, efficiency and staff welfare.

Ergonomics is relevant wherever people come into contact with machines, tools or other objects due to their work or any other activities.

Whether in goods receipt, order picking, returns processing or in dispatch, workstations from SSI SCHAEFER facilitate route-optimised and rapid processes. Precise and rapid goods flows are key, especially in packing and order picking areas.



To increase quality and performance, SSI SCHAEFER workstations are aligned with the same ergonomic design principle.

- ▶ Physical effort is reduced by minimising the loads being lifted. Workstations and processes are designed so that the manual handling of weights is generally only required downwards or horizontally.
- ▶ Output is increased by reducing unnecessary movements that do not contribute anything to the actual logistics task.
- ▶ Quality is increased thanks to clear workstation design, simple user guidance as well as sensors integrated into the workstation.
- ▶ Shapes and materials are selected ensuring that they do not restrict movement, distract from the work and cannot lead to injury. For this reason, many elements are rounded and designed with wooden contact surfaces. This results in workstations that reduce the loads to be moved each day in goods receipt by over 80%, for example, or pick workstations that achieve 1,000 picks/hour, even in continuous operation.



... and on LogiMat® storage and picking workstation

The LogiMat® storage lift is the ideal solution for the space-saving storage of small parts and ergonomic order picking.

The storage principle

The storage lift is similar to an oversized drawer cabinet with two rows of trays, one at the front and one at the back. Between the two rows is a lift that pulls out the individual trays and moves them to the relevant position of the service opening.

Why LogiMat® ?

Our picking system is considered future-oriented and extremely operator-friendly. As the components have been designed with ergonomics in mind, the LogiMat® slots perfectly into the SSI SCHAEFER ergonomics@work!® range of products. Numerous options offer our customers a high level of flexibility and expansion capacity.

The intelligent PLC can have the company's own LogiSoft software package added and/or can be seamlessly integrated in the existing goods management system.

From design and consulting to custom servicing and maintenance models, you receive everything all from one source.



The advantages of the LogiMat® storage lift at a glance:

- ▶ Saving of 90% of the storage space in comparison to standard static storage solutions
- ▶ Six to ten-fold increase in order picking speed due to process automation
- ▶ Reduction in travel times by more than 70%
- ▶ Energy and storage costs are reduced thanks to the compact design
- ▶ Performance increases of up to 20% thanks to the ergonomic design
- ▶ Picking errors are minimised using computer-controlled processes
- ▶ Individual and flexibly coordinating design using modular construction



Further information

upon request

The SSI SCHAEFER-Group

The SSI SCHAEFER-Group consists of the companies

- ▶ Fritz Schäfer GmbH, Neunkirchen
- ▶ SSI Schäfer Noell GmbH, Giebelstadt
- ▶ SSI Schäfer Peem GmbH, Graz
- ▶ Salomon Automation GmbH, Friesach/Graz

and is among the leading providers of warehouse and logistics systems worldwide.

You'll find the latest information and news from SSI SCHAEFER, our "update" customer newsletter, information on recent projects, detailed product information, brochures and catalogues on our website:

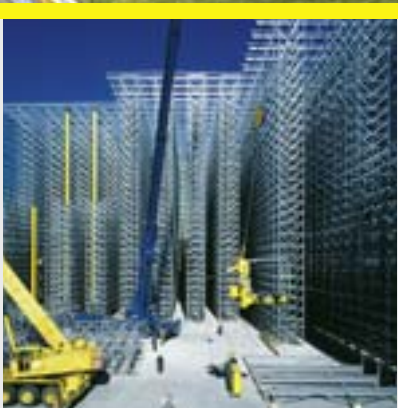
www.
ssi-schaefer.com

FRITZ SCHÄFER GMBH

Fritz Schäfer GmbH is based in Neunkirchen, which is also the international headquarters of the SSI SCHAEFER-Group. For decades the company has been a leading preferred supplier of high-quality systems for storage, production, office, waste management and recycling.

- ▶ Storage, order-picking and transport containers
- ▶ Modular shelving systems, platform systems
- ▶ Pallet, longspan, cantilever arm and mobile shelving systems
- ▶ Live storage and online shelving systems
- ▶ Fully automatic high rack and silo warehouses
- ▶ Dynamic small parts warehouses
- ▶ Workshop, production and office equipment
- ▶ Waste management and recycling





SSI SCHÄFER NOELL GMBH

SSI SCHÄFER NOELL GMBH, Giebelstadt/Germany

As a general contractor with international experience, SSI Schäfer Noell GmbH offers total, turnkey solutions for storage and logistics. The spectrum ranges from system planning and consultancy via the realisation of complex plants to tailored service packages.

- ▶ Planning and consulting of general contractor solutions
- ▶ IT systems for warehouse management and material flow control
- ▶ Storage and retrieval systems
- ▶ Servicing and maintenance



SSI SCHÄFER PEEM GMBH

SSI SCHÄFER PEEM GMBH, Graz/Austria

SSI Schäfer Peem GmbH specialises in modular order-picking technology. The company plans, develops and produces highly dynamic small parts conveyors and automatic conveyor systems, including automatic order picking systems.

- ▶ Conveyor technology for containers, cartons and pallets
- ▶ Sorting and distribution systems
- ▶ Automatic and paperless order-picking systems
- ▶ Container and paper handling systems



SALOMON AUTOMATION GMBH



SALOMON AUTOMATION GMBH, Friesach/Austria

Salomon Automation GmbH is a general contractor, developing tailor-made comprehensive solutions for manual and fully automatic storage systems. The company supports its customers from identification of the solution via software implementation and selection of the optimum IT and warehouse technology infrastructure down to staff training.

- ▶ Planning and consulting for general contractor solutions
- ▶ Automated and manual logistics systems
- ▶ Modern, release-compatible logistics software
- ▶ System modernisation

Combined expertise – the benefits of a company group

SSI SCHAEFER is the leading specialist in the planning, design and implementation of projects in the field of intralogistics. With a comprehensive product range we generate efficient and customised logistics solutions – at any location in the world.



Defined interfaces between all solution components also offer flexibility and the basis for expanding solutions; at all times conforming to the latest technological standards. This applies both to individual systems and to complete plants.

The bundling of expertise and the utilisation of synergy within the SSI SCHAEFER-Group form the prerequisite for reliable and rapid project processing. This particularly applies when operating as a general contractor.



A strong partner worldwide

We make being easily accessible for our customers a top priority. This is why we have offices around the world with subsidiaries and sales partners. Our production sites around the globe guarantee consistent focus on our customers. The use of the latest production technologies ensures direct contact with the marketplace and powerful service capabilities.

The ability to understand the language and culture in question is the best possible way to offer efficient project management, high quality system integration and first class support.

This global network continuously provides us with valuable ideas for the latest newest developments, product improvements and improvements in the customer service arena. This ensures fast response times to meet the needs of our customers expertly and on an ongoing basis.

Contact us – at a location near you.

A complete list of all the current contact information for our subsidiaries, offices and contractual partners can be found on our website under the “Contact” menu option

www.ssi-schaefer.com

In the “News” section you will find information on a number of interesting topics and the latest projects being implemented.



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Belgium, Zaventem



Netherlands, Arnhem



Switzerland, Neunkirch



France, Yutz



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SSI SCHÄFER FRITZ SCHÄFER GMBH

Manufacturing plants for warehouse,
production and office equipment,
waste management and recycling

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