SUPPORTER & ERGOPLAN

ERGONOMICS IS MORE THAN HEALTH

THE WORK TABLE OFFERS THE SOLUTION.

The supporter and the ErgoPlan were specially developed for manual workplaces in production, assembly companies and maintenance. Workplaces that place particular physical strain on the employee. Musculoskeletal disorders are at the top of the list of common diseases.

Supporter and ErgoPlan were developed on the basis of scientific findings.

Incorrect posture and lifting heavy loads are almost always the cause of this clinical picture, which can be found in all professions. Older employees are not the only ones affected; younger employees are increasingly suffering from corresponding symptoms. Back pain in employees is also the reason for increased absenteeism: Employees are absent from work for an average of more than 10 days due to back problems.

Work tables that adapt unconditionally to the current situation are the solution. The various models in the Supporter and ErgoPlan series cover a wide range of applications. Due to the special design, the work tables have become indispensable in an ergonomically optimized workplace. An additional and extensive range of accessories allows even better coordination with different applications.

Safety, Health, Economy – Ergonomics.

SPECIAL CONSTRUCTION:

- + Height adjustment under load
- Even adjustment to the height even with uneven load distribution
- + Stable and robust castors
- Sidewalls ensure stability and protect the mechanics
- High quality drives on both sides
- + The worktop moves absolutely parallel and gently

WORK & ASSEMBLY TABLE GOOD PATENTS DESERVE AWARDS.



PRICES

Bavarian State Prize 2019 Awarded by IHM for "ergonomic Work and assembly table Supporter AM 500"



PATENT European patent No.: EP2308344 Height-adjustable working and assembly table



4

STEPLESS AND UNDER LOAD HEIGHT ADJUSTABLE WITH THE HELP OF FOOT HYDRAULICS

ELECTRIC

BATTERY

NEW!

SUPPORTER

AM 500 + AM 1200 | **FH**



PAYLOAD AM 500: up to 500 kg AM 1200: up to 1,200 kg PLATFORM SIZE OVERALL HEIGH 1,460 x 740 mm max. 970 mm

Our infinitely height-adjustable supporters in the sizes AM 500 and AM 1200 are the robust helpers in every workshop and work environment. The patented system of height adjustment from Reinhold Beck Maschinenbau GmbH ensures an even and stepless height adjustment even with an uneven load distribution or eccentric loading. No jamming, no slipping – the supporter reacts quickly and at a well-dosed speed.

Useful stroke	300 mm
Construction height of the supporter	670 mm
Lifting unit AM 500 AM 1200	1x left 1x left + 1x right
Weight* AM 500 AM 1200	approx. 120 kg approx. 135 kg

 \ast For accessories, please pay attention to the weight of the support plate and the permissible load of the supporter

Place below the worktop

Standard without worktop and without shelf below

4 swivel castors (wheel ø 125 mm), 2 of which have brakes

AM 500: ART.: **210.100.00** AM 1200: ART.: **210.200.00**

OPTIONAL

Supporter AM 500 with synchronous shaft below for absolute freedom of space under the countertop. ART.: 210.110.00



►

Scan the QR code and watch the user video: https://www.youtube.com/ watch?v=3KillNvSc6w&t=1608s

HIGHLIGHT

AVAILABLE WORKTOPS AND OPTIONS // FROM P.086

> THAT'S WHAT THE SUPPORTER DOES AM 500 + AM 1200 SPECIAL:



Built-in lifting units are protected from dirt and damage.



The lower synchronizer shaft can optionally be hidden under a shelf.



Four swivel castors with two brakes ensure flexibility and stability.



With the AM 500, the upper synchronizer shaft is optionally installed under the shelf.

EQUIPMENT // FROM P.111



AM 400 ESA + AM 500 ESA







PAYLOAD AM 400 ESA: up to 400 kg AM 500 ESA: up to 500 kg PLATFORM SIZE
1,460 x 740 mmOVERALL HEIGHT
max. 970 mm

Our electrical and stepless height-adjustable supporters in the two sizes AM 400 ESA and AM 500 ESA were developed for workplaces in production, assembly and maintenance, where the exact height setting is of particular importance for ergonomic work. Raising and lowering takes place evenly and precisely thanks to the electric drive, even with an asymmetrical load. The electric drives are concealed in the left and right lifting columns and are therefore protected from dirt and damage.

300 mm
670 mm
230 V / 50 Hz
with control
approx. 6 mm/s pprox. 10 mm/s
approx. 135 kg approx. 140 kg
the support plate

Place below the worktop

Standard without worktop and without shelf below 4 swivel castors (wheel ø 125 mm), 2 of which have brakes

AM 400 ESA: ART.: **212.300.00** AM 500 ESA: ART.: **212.310.00**





Scan the QR code and watch the user video: https://www.youtube.com/ watch?v=3KillNvSc6w&t=1608s

HIGHLIGHT

AVAILABLE WORKTOPS AND OPTIONS // FROM P.086

> THAT'S WHAT THE SUPPORTER DOES AM 400 ESA + AM 500 ESA PARTICULARLY:

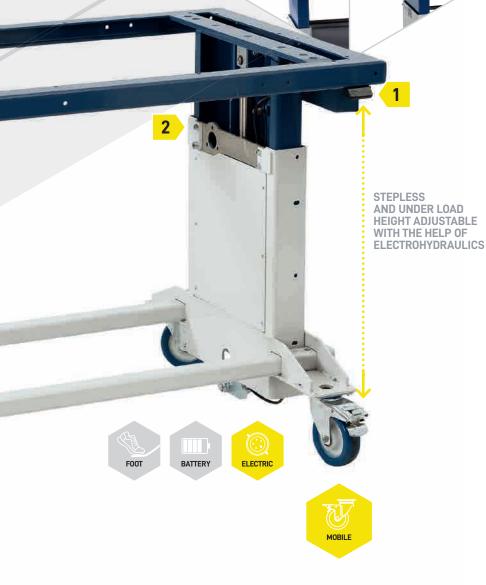


The height of the work platform is adjusted on the centrally located control panel.



Electric drives are installed in the left and right lifting columns with concealed protection.

EQUIPMENT // FROM P.111



SUPPORTER

OPTIONS

WORKTOP SELECTABLE

The condition of the worktop depends on the workflow and requirements of the work environment. At Reinhold Beck Maschinenbau GmbH is the worktop freely selectable. A wide variety of panels are available for optimal processing. We provide you with a work table with a worktop for your industry-specific work process.



SHEET STEEL SHELVES, BELOW

Suitable for all supporter models space for tools, accessories, base cabinet, etc.

approx. 8 kg

Weight

ART.: 210.320.00



METAL SHEET, SMOOTH

Suitable for Supporter AM 500, screwed onto the platform

1,500 x 790 x 3 mm
Light gray RAL 7035
approx. 18 kg

ART.: 210.317.00



FOLDING SHELF, RIGHT SIDE

Suitable for all Supporter models, attached to the lower frame on the right side, offers space for tools, accessories, vacuum cleaner, vacuum pump, etc.

Support format	445 x 390 mm
Weight	approx. 12 kg

ART.: 210.321.00



BEECH MULTIPLEX WORKTOP Suitable for Supporter AM 500, screwed on platform, plate is coated with linseed oil

Plate format	1,600 x 790 x 30 mm
Weight	approx. 30 kg

ART.: 210.300.00

CONFIGURED // P.090



BEECH MULTIPLEX PERFORATED GRID PANEL

Suitable for Supporter AM 500, screwed on platform, plate is coated with linseed oil

Plate format	1,600 x 790 x 30 mm
Hole diameter	ø 22 mm
Hole grid spacing	T = 100 mm
Weight	approx. 29 kg

ART.: 210.310.00

CONFIGURED // P.091



VERTICAL SUPPORT, LEFT AND RIGHT SIDE

Suitable for all supporter models, adjustable in height in the 50 mm keyhole grid

Weight approx. 10	kg
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ART.: 210.330.00



WORKTOP BIRCH MULTIPLEX, HPL-COATED ON BOTH SIDES

Suitable for all supporter models, screwed onto the platform

Platform	1,600 x 790 x 30 mm
Color	White RAL 9016
Weight	approx. 30 kg

ART.: 210.306.00



BIRCH MULTIPLEX PERFORATED GRID PANEL, HPL-COATED ON BOTH SIDES

Suitable for all supporter models, screwed onto the platform

Platform	1,600 x 790 x 30 mm
Hole diameter	ø 22 mm
Hole grid spacing	T = 100 mm
Color	White RAL 9016
Weight	approx. 29 kg

ART.: 210.311.00



STEEL PERFORATED GRID PLATE

Suitable for all supporter models, made of high quality steel, mechanically processed with high accuracy, corrosion-resistant and long-lasting wear protection thanks to plasma nitrided surface, for use in assembly work and as a welding plate for filigree welding work, plate construction reinforced by ribbed sheets welded in in the form of a cassette

SYSTEM28

Plate size Side plate

Weight

Hole spacing side plate

ART.: 200.442.28

WITH 200 MM SIDE WALLS

Suitable for Supporter AM 1200 stationary, included a scaling on the surface

Material thickness	approx. 11.5 – 13 mm
Bores	with a radius of 2 mm
Corners and edges	with a radius of 3/6 mm
Hole diameter	ø 16 mm
Grid	50 x 50 mm

16B SYSTEM WITH 50 MM SIDE WALLS

Plate size	1,500 x 1,000 x 50 mm
Side plate	50 mm high
Hole spacing side plate	50 mm
Weight	approx. 170 kg

ART.: 200.440.16

CONFIGURED // P.094

SYSTEM16 WITH 100 MM SIDE WALLS

Plate size	1,500 x 1,000 x 100 mm
Side plate	100 mm high
Hole spacing side plate	25 mm
Weight	approx. 215 kg

ART.: 200.443.16

CONFIGURED // P.095

SYSTEM16 WITH 100 MM SIDE WALLS

Suitable for Supporter AM 1200 stationary

Plate size	2,000 x 1,000 x 100 mm
Side plate	100 mm high
Hole spacing side plate	25 mm
Weight	approx. 290 kg

ART.: 200.431.16

Only available as a stationary version and only in conjunction with the following article: Art.: **200.020.00**



approx. 24.5 – 27 mm with a radius of 3 mm with a radius of 3/6 mm

1,500 x 1,000 x 200 mm

200 mm high

approx. 510 kg

50 mm

ø 28 mm 100 x 100 mm



METAL GRID PLATE

Suitable for all Supporter models, screwed on to the platform, for use during assembly work and as welding plate for filigree welding work, surface: phosphated

Platform size	1,600 x 1,200 x 65 mm
Material thickness	4 mm
Hole diameter	ø 28 mm
Diagonal grid	T = 100 mm
Side plate	65 mm high
Weight	approx. 96 kg

ART.: 200.616.00



STAINLESS STEEL WORKTOP, SMOOTH

Suitable for all supporter models, screwed on to the worktop beech plywood, with all-round chamfer 20 mm on all 4 sides

Platform	1,600 x 790 x 32 mm
Material thickness	2 mm
Weight	approx. 48 kg

ART.: 210.318.00



90 ° SIDE STOP RAILS

Suitable for all Supporter models, 30 mm heightadjustable and can be lowered below the level of the worktop level, set of 2

1 stop rail	on one long side: 1,550 mm long
1 stop rail	on one narrow side: 770 mm long
Weight	approx. 20 kg

ART.: 200.312.00

only in combination with the following worktops: Art.: 210.317.00, Art.: 210.300.00, Art.: 210.310.00, Art.: 210.306.00, Art.: 210.311.00

ART.: 200.001.00

Weight

087



Only available in stationary version and only in connection with the following article: Art.: 200.020.00

STATIONARY DESIGN

Suitable for all supporter models, 4 base plates with threaded bolt, for floor levelling +/- 15 mm adjustable

Weight	approx.	6 kg

ART.: 200.020.00



DIRECTIONAL STOP

Direction lock for swivel castor, 1 piece

The steering direction is stabilized

The direction stop turns the swivel castor into a fixed castor

approx. 1 kg

SUPPORTER

EQUIPMENT SELECTABLE

The supporter can be individually and precisely adapted to the respective work area with additional equipment options such as a vacuum clamping unit, base cabinet or overhead device. Different versions enable different purposes for your industry-specific work process.





VACUUM SUCTION GRIPPER, OVAL

Suitable for the rotary axis with the vacuum system, the vacuum suction grippers can be exchanged using the quick-change system

Infinitely height adjustable	200 mm
Weight	approx. 3 kg
Size	300 x 100 mm
ART.: 210.341.00	
Size	300 x 30 mm

ART.: 210.359.00



VACUUM UNIVERSAL CLAMPING PLATE, FLAT, ALUMINUM

Suitable for all models with a perforated grid plate, flat clamping plate with quick-release coupling for attachment to the perforated grid plate. Including 1 m sealing rubber band

Surface: Finely milled	surface	with	grid	grooves
for inserting a sealing	tape			

	0	U 1	
Format			290 x 160 x 40 mm
Weight			approx. 2 kg

ART.: 200.405.00



VACUUM CLAMPING UNIT WITH ROTATING AXIS AND VACUUM SUCTION GRIPPERS

Suitable for all supporter models with vacuum, vacuum clamping unit with rotary axis can be swiveled continuously 90 ° from vertical to horizontal for an optimal working position when machining workpieces, 2 sliding, oval vacuum suction grippers (exchangeable thanks to the quick-change system) with tactile valve and holder, clamping unit can be completely retracted under the worktop

2x vacuum suction cups oval	300 x 100 mm
Weight	approx. 20 kg

ART.: 210.340.00

Without foot switch and without vacuum pump



VACUUM SUCTION GRIPPER, ROUND

Matching the rotary axis with the vacuu the vacuum suction grippers can be ex using the quick-change system	
Infinitely height adjustable	200 mm

Weight		approx. 3
ø 100 mm	ART.: 210.342.00	
ø 125 mm	ART.: 210.343.00	
ø 200 mm	ART.: 210.347.00	



ELECTRIC VACUUM PUMP IN MOBILE CARRYING BOX

Suitable for all supporter models with vacuum, can be placed on the lower shelf, dry-running and lowmaintenance electric vacuum pump with vacuum tank and automatic switch-off in a mobile carrying box, with 2 connection sockets

Suction capacity	3,0 m³/h
Foot switch connection cable	1,5 m fabric hose 5 m (schuko plug)
Power connection	230V / 50Hz
Weight	approx. 20 kg

ART.: 210.440.00

VACUUM PUMP WITH STRONGER SUCTION POWER

Suitable for all supporter models with vacuum, with 2 connection coupling sockets

Suction capacity	4,6 m³/h
ouolion oupdoily	(instead of 3,0 m ³ /h)
Foot switch	1,5 m fabric hose
connection cable	5 m (schuko plug)
Power connection	230V / 50Hz
Weight	approx. 20 kg

ART.: 210.450.00

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VACUUM UNIVERSAL CLAMPING PLATE, SWIVELING, ALUMINUM

Suitable for all models with a perforated grid plate, the clamping plate can be swiveled and fixed by 90°, for attachment to the breadboard. Including 1 m sealing rubber band

Surface: Finely milled surface with grid grooves for inserting a sealing tape

Format	Format	290 x 160 x 40 mm	
Weight			approx. 3 kg

ART.: 200.406.00



FOOT SWITCH

For tensioning and releasing the vacuum

Function	3/2 way valve
Weight	approx. 2 kg

ART.: 210.455.00

Option for an electric vacuum pump in a carrying case ART.: 210.440.00 and ART.: 210.450.00 or for connection to existing vacuum system on customer side



OVERHEAD LIGHTING DEVICE AND DEVICE HOLDER

Suitable for all Supporter models, attached on the upper adjustable platform frame made of aluminium profiles with LED-400K, surface-mounted luminaire, with light switch and 2 device sockets with cover (230 V)

LED lighting, louvre surface-	4000K
mounted luminaire	35 W
Weight	approx. 40 kg

ART.: 210.600.00

EQUIPMENT TROLLEY, MOVABLE Suitable for all Supporter models, attached to the device support rail for the attachment of functional parts

Laterally adjustable	800 mm
Weight	approx. 10 kg

ART.: 210.603.00



ENERGY BAR WITH CENTRAL AIR AND ELECTRICAL CONNECTION

Suitable for all supporter models, on the right cultivated on the narrow side

ssed air
approx. 2 kg

ART.: 200.407.00

COMPRESSED AIR MAINTENANCE UNIT WITH 2 PIECES COUPLINGS (FUNCTIONAL PART)

Suitable for all Supporter models, mounted on equipment trolley

Maintenance unit	R3/8"
2 safety couplings	3/8" NW 7,2
Weight	approx. 8 kg

ART.: 210.605.00

SCHUKO SOCKETS WITH LID, 2 PIECES (FUNCTIONAL PART)

Suitable for all Supporter models, mounted on equipment trolley, 2 pieces

Schuko sockets	230 V
Max. permissible current load	10/16A
Weight	approx. 10 kg

ART.: 210.604.00

BALANCER (FUNCTIONAL PART)

Suitable for all Supporter models, mounted on nent trollev

0.6 – 2.0 kg
approx. 2 kg

ART.: 210.606.00

DEVICE SUPPORT RAIL

Suitable for all Supporter models, attached on overhead device

C-rail	30 x 32 x 2 mm,
	1,800 mm long
Weight	approx. 10 kg

ART.: 210.601.00



MULTIPLEX TOOL CABINET WITH 2 DRAWER BLOCKS

Suitable for all supporter models, with 6 drawers	
1,100 x 370 x 500 mm	
620 x 40 x 420 mm	
620 x 120 x 420 mm	
360 x 40 x 420 mm	
360 x 120 x 420 mm	
approx. 40 kg	

ART.: 210.620.00



METAL DRAWER BASE CABINET, 1 DRAWER BLOCK

Suitable for all supporter models, drawers with perforated floor and slotted walls (for individual drawer subdivision), central locking with 2 keys, with labeling strip and transparent cover

External dimensions of the body (W x H x D)	1,060 x 330 x 675 mm
1x drawer Usable drawer dimensions	1,058 x 328 x 675 mm 900 x 255 x 600 mm
Drawer load capacity	max. 100 kg
100% full extension and sin	gle extension lock
Color powder coated	Light gray RAL 7035 or blue RAL 5023
Weight	approx. 40 kg

ART.: 210.641.00

METAL DRAWER BASE CABINET, 2 DRAWER BLOCKS

Suitable for all supporter models, drawers with perforated floor and slotted walls (for individual drawer subdivision), central locking with 2 keys, with labeling strip and transparent cover

External dimensions of the body (W x H x D)	1,090 x 330 x 675 mm
Block 1 front height	270 mm
1 drawer, usable size	410 x 255 x 600 mm
Block 2 front height	90 mm
3 drawers, usable size	410 x 75 x 600 mm
Drawer load capacity	max. 100 kg
100% full extension and sir	ngle extension lock
Color	Light gray RAL 7035
powder coated	or blue RAL 5023
Weight	approx. 48 kg

ART.: 210.642.00



AM 500

BEECH MULTIPLEX WORKTOP | FH



The Supporter AM 500 with the beech multiplex worktop is characterized as a work and assembly table as well as the new ergonomic workbench. Ergonomically correct, the working height is set quickly and easily using the foot hydraulics.

Useful stroke	300 mm
Construction height of the supporter	700 mm
Weight	approx. 140 kg
Place below the worktop	
Including shelf below	
4 swivel castors (wheel ø 125 mm), 2 of which have brakes	

ART.: 210.100.10





Scan the QR code and watch the user video: https://www.youtube.com/ watch?v=3KillNvSc6w&t=1608s





AM 500

CONFIGURED

BEECH MULTIPLEX PERFORATED GRID PANEL | FH



The new ergonomic workbench opens up completely new possibilities for a safe and future-oriented workplace. With a total height of 1,000 mm, different body sizes as well as the dimensioning and positioning of the workpieces can be taken into account.

Useful stroke	300 mm
Construction height of the supporter	700 mm
Weight	approx. 140 kg
Place below the worktop	
Including shelf below	
4 swivel castors (wheel ø 125 mm), 2 of which have brakes	

ART.: 210.120.10





Scan the QR code and watch the user video: https://www.youtube.com/ watch?v=3KillNvSc6w&t=1608s

www.beck-maschinenbau.com

SUPPORTER

AM 500 PERFECT



Our supporter AM 500 Perfect is provided with a birch multiplex breadboard with double-sided HPL coating for flexible work in the breadboard with the practical accessories (optionally available). It also has a lower shelf for practical storage of tools or the vacuum pump. The vacuum system with its two oval vacuum cups is the ideal support for surface processing.

Construction height of the supporter Vacuum pump suction capacity Foot switch connection cable	
Foot switch connection cable	700 mm
connection cable	3,0 m³/h
Dower connection	1.5 m fabric hose 5 m (schuko plug)
Power connection	230 V / 50 Hz
Vacuum suction gripper, oval	300 x 100 mm
Weight	approx. 170 kg
Space below the worktop thanks to the shell	f
4 swivel castors (wheel ø 125 mm), 2 of whi	ch have brakes

F00

ART.: 210.160.10



HIGHLIGHT

THAT MAKES THE SUPPORTER AM 500 PERFECT SPECIAL:



The combination of breadboard and Vacuum suction allows a lot of simplified Work steps.



The optional energy bar is the direct energy supply for electricity and air.



EQUIPMENT // FROM P.111

OPTIONAL Energy bar ART.: **200.407.00**

CALCENTION OF AND UNDER LOAD HEIGHT ADJUSTABLE WITH THE HELP OF FOOT HYDRAULICS



6

MOBILE

WORK AND ASSEMBLY TABLES // AM 500 STEEL PERFORATED GRID PLATE

AM 500

CONFIGURED

STEEL PERFORATED GRID PLATE | FH



P	ΆY	LOA	D
up	to	330	kç

PLAT 1,500 x 1,0

E SIZE	OVERALL H
000 x 50 mm	max. 1,02

Useful stroke	300 mm
Height of the supporter with steel perforated grid plate	720 mm
Weight	approx. 290 kg
4 swivel castors (wheel ø 125 mm), 2 of which have brakes	

ART.: 210.170.16

INCLUDING STEEL GRID PLATE, 50 MM

Material thickness	approx. 11,5 – 13 mm
Bores	with a radius of 2 mm
Corners and edges	with a radius of 3/6 mm
Grid	50 x 50 mm
Side plate	50 mm high
Hole spacing side plate	50 mm
Platform	1,500 x 1,000 x 50 mm

0

ART.: 200.440.16

INDIVIDUAL ITEMS OF THIS CONFIGURATION: AM 500 FH (ART.: 210.100.00) Shelf (ART.: 210.320.00) Steel perforated grid plate (ART.: 210.440.16) Pre-freight costs, adapters and final assembly

Ø.

MOBILE

STEPLESS AND UNDER **HEIGHT-**ADJUSTABLE LOAD WITH THE HELP OF **FOOT HYDRAULICS**

FOOT

BATTERY

ELECTRIC

AM1200

STEEL PERFORATED GRID PLATE | FH

CONFIGURED

INDIVIDUAL ITEMS OF THIS CONFIGURATION: AM 1200 FH (ART.: 210.200.00) Shelf (ART.: 210.320.00) Steel perforated grid plate (ART.: 210.443.16) Adapter and final assembly



PAYLOAD up to 980 kg

1,500 x 1,000 x 100 mm

Useful stroke	300 mm
Height of the supporter with steel perforated grid plate	770 mm
Weight	approx. 360 kg
4 swivel castors (wheel ø 125 mm), 2 of which have brakes	

ART.: 210.180.16

INCLUDING STEEL GRID PLATE, 100 MM

Material thickness	approx. 11,5 – 13 mm
Bores	with a radius of 2 mm
Corners and edges	with a radius of 3/6 mm
Grid	50 x 50 mm
Side plate	100 mm high
Hole spacing side plate	25 mm
Platform	1,500 x 1,000 x 100 mm

ART.: 200.443.16

