

**AUTOMAG**

*We Move Manufacturing...*



**POWERFUL | RELIABLE | PRECISE**

**POSIMAT**

Manually guided  
pneumatic balancers  
for changing load weights

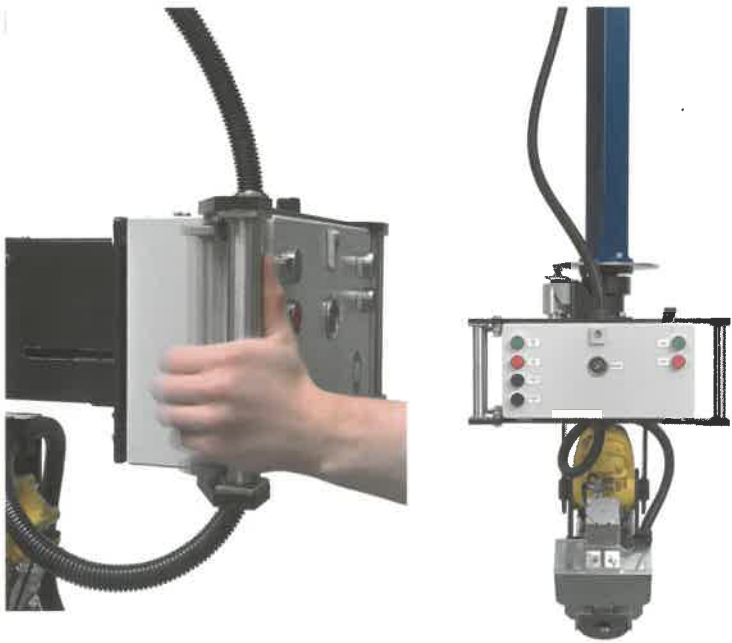
Intelligent Automag handling systems for ergonomic operation in all industrial areas.

Our custom-made handling solutions optimise work processes from the automotive or machine construction industry, the chemical or textile industry and the food industry.

Our pneumatic balancers are designed for changing load weights. They flexibly adjust to new loads within seconds and manage any handling task. Their compact design allows installation at any production site.

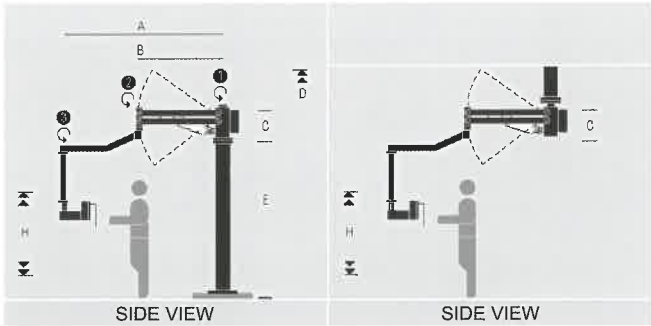
POSIMAT® convinces with:

- Highest productivity and reliability
- Ergonomic, user-friendly working without strain
- Individual adjustment to any kind of task
- Efficient and easy working
- Precise and delicate positioning
- Weightless, non-swinging handling of loads through automatic weight counterbalance
- High hoisting and lowering speed
- Short cycle times
- Individual gripper systems for different handling goods
- High ease of use
- Precise load-control directly on the goods being handled
- Hoisting/lowering function for absolutely load-free handling
- High safety standard
- Available in upright or suspended version
- Optional load-control directly on the goods being handled
- Optional lifting/lowering function for absolutely load-free lifting and lowering
- Upright, suspended or movable version
- Comprehensive accessories for optimal configuration
- Connectable backlash reduction on rotation axes 1 and 2
- Loading capacity up to 1000 kg
- Broad working area
- Precise handling with servo-hydraulics
- Ultimate reliability and loading capacity
- Absolutely smooth operation due to high rigidity
- Electro-hydraulic drive
- Electronic control
- Very simple operation
- Small space requirement
- Well thought-out design
- Increase in productivity
- Multifarious applications
- Low construction height – suitable for low rooms
- Precise, smooth positioning
- Expanded working area using rail systems or slewing cranes
- Easy operability
- Extensive safety devices
- Reliable due to sturdy technology

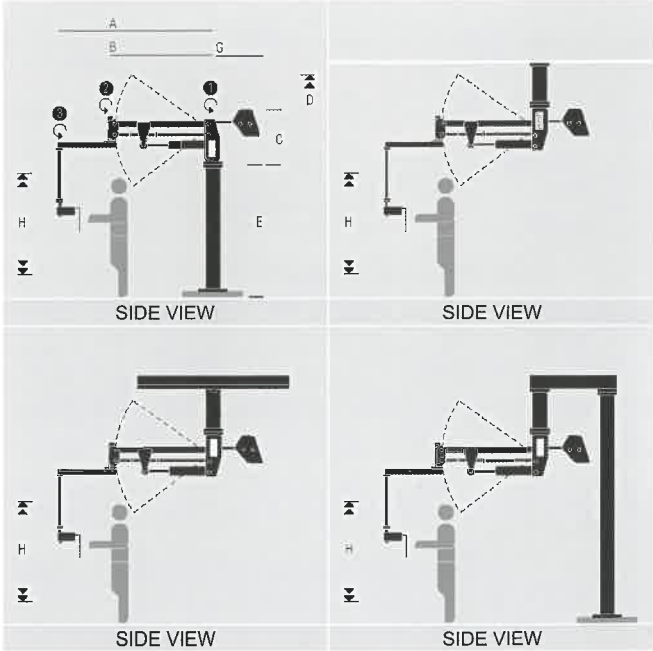
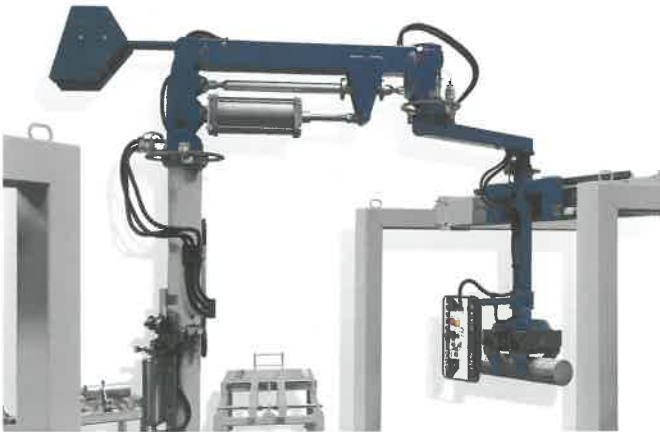


Subject to technical change without notice

Technical Data	PB 60	PB 120	PB 80	PB 160	PB 250
load-carrying capacity without load suspension devices	60 kg (5 bar) 75 kg (6 bar)	90 kg (5 bar) 145 kg (6 bar)	80 kg	160 kg	250 kg
load-carrying capacity without load suspension devices, with counterweight	NA	NA	120 kg	220 kg	375 kg
hoisting height H	1000 mm	1200 mm	1600 mm	1650 mm	1650 mm
working area, standard	4000 mm	4400 mm	4600 mm	5187 mm	5650 mm
working area up to max.	4400 mm	5600 mm	5400 mm	5800 mm	6400 mm
standard jib length	2000mm	2200 mm	2300 mm	2593.5 mm	2825 mm
jib length up to max. A	2200 mm	2800 mm	2700 mm	2900 mm	3200 mm
hoisting arm length B	1050 mm	1263.5 mm	1543 mm	1693.5 mm	1825 mm
design height of machine C	450 mm	670 mm	675 mm	740 mm	900 mm
design height top edge hoisting device on pillar D	3200 mm	3500 mm	3500 mm	3700 mm	3800 mm
pillar height E	2300 mm	2300 mm	2000 mm	2000 mm	2000 mm
range of rotation, main axis, hoisting arm 1	continuous	continuous	continuous	continuous	continuous
pivot area axis folding arm 2	320 °C	305 °C	320 °	320 °	300 °
range of rotation, pivot joint 3	320 °C	320 °C	320 °	320 °	320 °
jib counterweight G			750 mm	850 mm	960 mm
max. torque, axis 1	2750 Nm	4250 Nm	2,750 Nm	11,500 Nm	33,750 Nm
max. torque, axis 2	1250 Nm	2250 Nm	1,250 Nm	4,200 Nm	10,000 Nm
max. torque, axis 3	400 Nm	1000 Nm	400 Nm	1,000 Nm	2,000 Nm
drive	pneumatic	pneumatic	pneumatic	pneumatic	pneumatic
hoisting speed	0-30 m/min.	0-30 m/min.	0 -30 m/min.	0 -30 m/min.	0 -20 m/min.
min. operating pressure	5 bar	5 bar	6 bar	6 bar	6 bar
max. operating pressure					
hydraulic pump delivery rate					
power					
voltage					
air consumption/max. stroke	19 NL	32 NL	28 NL	61 NL	138 NL
noise level	78 dB (A)	78 dB (A)	78 db (A)	78 db (A)	78 db (A)
ambient temperature	-15 - + 70 °C	-15 - + 70 °C	-15/+70 °C	-15/+70 °C	-15/+70 °C
dead weight without counterweight and pillar counterweight	NA	NA	150 kg	350 kg	500 kg
			120 kg	200 kg	350 kg



AUTOMAG POSIMAT® PB 60 / PB 120 are designed for changing load weights. They flexibly adjust to new loads within seconds and manage any handling task. Their compact design allows installation at any production site.



AUTOMAG POSIMAT® PB 80/PB 160/PB 250 are designed for medium load weights of up to 375 kg. They have various applications and manage demanding handling tasks without any effort on the part of the operator. The automatic weight counterbalance enables precise, nearly weightless manipulation of a wide variety of handling goods.



## POSIMAT PB 60/120

Manually guided pneumatic balancers for changing load weights



### Modern Handling Technology:

- fast and precise positioning, Palletizing, depalletizing and order Picking
- flexible tooling up of machine tools, Presses or machining centres
- exact assembly of components in Production lines

## POSIMAT PB 80/160/250

Manual pneumatic balancers for medium load weights



### Modern Handling Technology:

- precise positioning, palletizing, depalletizing and commissioning
- flexible tooling up of machine tools, presses or machining centres
- exact assembly of components in Production lines

## POSIMAT PM 350/500

Manual balancers 750/1000 for heavy load weights



### Modern Handling Technology:

- flexible tooling up of machine tools, presses or machining centres
- safe moving of heavy or bulky goods
- fast manipulation of components in production lines
- exact components assembly in production lines
- efficient palletizing in warehouses & production
- speeding up of material flow in production

## POSIMAT PL 1610/2430

The combination for weightless handling even in low rooms



### Modern Handling Technology:

- precise acceptance of oscillating loads
- safe moving of handling material
- quick manipulation of components
- efficient palletizing in warehouses and production

*Passion Engineered*



**AUTOMAG**  
We Move Manufacturing...

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