

CoBo-Stack

The MBO CoBo-Stack is a so-called cobot, that is, a collaborative robot which needs no protective cage. Product stacks, e.g. stacks of folded signatures, are transported from the delivery onto the table of the CoBo-Stack. The cobot picks up the stacks from the table and deposits them on pallets. This is an enormous physical release for the operator at the delivery. The pallets can be positioned on both sides of the delivery, allowing uninterrupted operation. While the MBO CoBo-Stack is filling one pallet, the operator can move the loaded pallet away and prepare the next empty pallet.

An indicator lamp lights up in different colours, signalling various operating statuses of the cobot to the operator. For some operating statuses, there is an additional acoustic signal. This means that there is no need for the operator to remain directly at the production machine, giving him or her time to carry out administrative tasks, for example quality control or preparing the next job.



Features

- Cobot – collaborating robot, that needs no protective cage
- Pallets can be placed on both sides of the cobot; while one pallet is filled, the other one can be prepared
- Optical and acoustical signals show various operating statuses
- Retrofittable to existing deliveries of type MBO A500/A700, palamides alpha 500/700 plus/pro
- Standard roller table on the left side; optional left/right side available
- Optional open electrical interface for third party machines
- Optional camera from below for stacking two different signatures to the left/right, for example in double stream production
- RAS Remote Access Router included; access permission from customer is mandatory

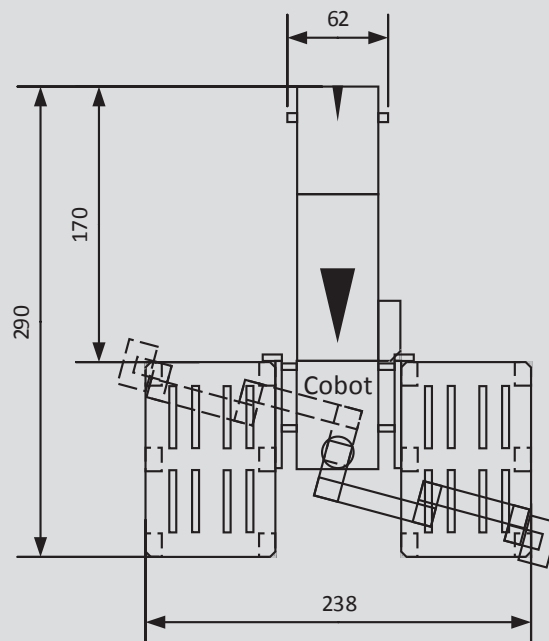
■ Technical Specifications

Infeed height		<ul style="list-style-type: none"> ■ Standard height: 793 mm – 923 mm (31 1/4" – 36 1/4"), adjustable in 10 mm (3/8") steps ■ Optional special height, suitable for example for Horizon PSX-56: 734 mm – 864 mm (28 3/4" – 34"), adjustable in 10 mm (3/8") steps, the maximum pallet height is reduced by 60 mm (2 3/8")
Gripper S	Product height	210 mm – 340 mm (8" – 13 3/8")
	Product width	95 mm – 160 mm (3 3/4" – 6 1/4")
Gripper M	Product height	210 mm – 340 mm (8" – 13 3/8")
	Product width	155 mm – 235 mm (6" – 9 1/4")
Gripper L	Product height	210 mm – 340 mm (8" – 13 3/8")
	Product width	180 mm – 260 mm (7" – 10 1/4")
Stack height		60 mm – 150 mm (2 1/4" – 6")
Stack weight, max.		6 kg (13 lb)
Stacks per hour, max.		300
Pallet height, max.		900 mm (35 1/2"); optional 1,400 mm (55")
Pallet size, max.		EPAL 800 mm x 1,200 mm (31 1/2" x 47 1/4")



Three different grippers are available for the CoBo-Stack. This allows a greater variety of products to be handled than ever before. DIN long formats can also be handled without problems.

Floorplan CoBo-Stack



Measurements in cm