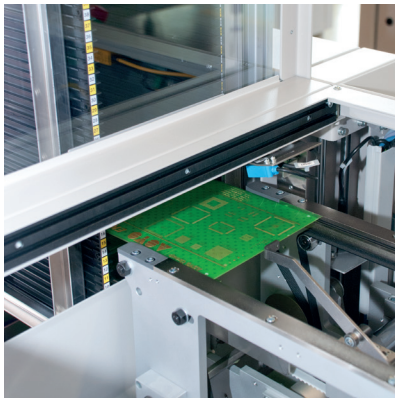
Magazine loader with capacity for two magazines **VEGO** Dynamic

VEGO AMS 03D







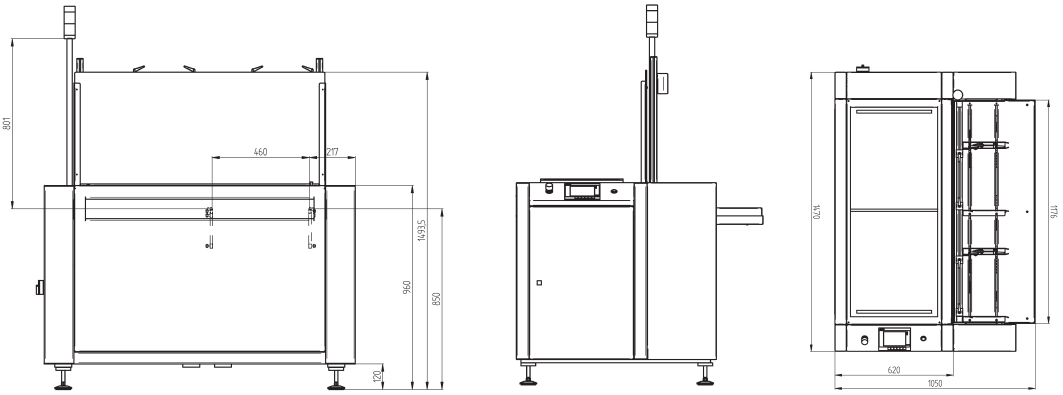
Description
The loading station AMS 03D is used to automatically unload PCBs from an SMT-production line or from individual process machines e.g. stencil printers, pick and place systems, reflow ovens or test systems.

Arriving PCBs are taken over onto the inlet conveyor and then transported sideways on an integrated shuttle and subsequently pushed into the magazine with an inserter mechanism. The system is characterized by its compact and robust construction and has been designed according to the latest machine guidelines and safety standards.

The open magazine table provides easy access to the magazines. Magazine exchange during running operation ensures continuous unloading. The integrated shuttle mechanism means that the system can easily switch between different magazine types and takeover positions within seconds.

Features
_ Automatic switch to the second magazine
_ Transfer conveyor with integrated shuttle mechanism
_ Vertical magazine clamp
_ Simple changeover for different magazines
_ Easy machine set up due to flexible takeover position
_ Access to the magazine via the front of the machine
_ Touch Display with graphical user interface
_ Product parameters can be changed during running operation
_ Product memory function

Options
_ Magazine adaptation
_ Transport height 950mm +/- 50mm
_ Electric width adjust
_ Automatic width adjust
_ Dual-lane operation
_ Flexible dual-lane operation
_ Platform for 3 magazines
_ Multiple insertion
_ PCB weight up to 6kg
_ Equipment for thin PCBs (<0.7mm)
_ Good/Bad sorting function
_ Stopper unit for unloading of oven



topview

VEGO AMS 03D

	Type 1	Type 2	XL	XL-S
Machine Configuration				
Transport height	850 mm ± 50 mm	850 mm ± 50 mm	850 mm ± 50 mm	850 mm ± 50 mm
Max. transport width	260 mm	460 mm	690 mm	690 mm
Interface	SMEMA, Siemens	SMEMA, Siemens	SMEMA, Siemens	SMEMA, Siemens
Transfer direction	From left to right	From left to right	From left to right	From left to right
Operating side	Front of the machine	Front of the machine	Front of the machine	Front of the machine
Fixed rail	Front of the machine	Front of the machine	Front of the machine	Front of the machine
Magazine Size				
Magazine length	420 mm	540 mm	540 mm	540 mm
Magazine width	320 mm	530 mm	765 mm	765 mm
Magazine heigth	568 mm	568 mm	568 mm	568 mm
Slot spacing	5 - 20 mm	5 - 20 mm	5 - 20 mm	5 - 20 mm
Buffer spacing	1 - 50 Slots	1 - 50 Slots	1 - 50 Slots	1 - 50 Slots
Total magazine weight	max. 90 kg	max. 90 kg	max. 90 kg	max. 90 kg
Number of magazines	2	2 [a)]	2 [b) c)]	2 [b) c)]
Panel Dimensions				
Panel length	70 to 420 mm	70 to 460 mm [d)]	70 to 460 mm [d)]	70 to 610 mm [f)]
Panel width	50 to 260 mm	50 to 460 mm	50 to 690 mm	50 to 690 mm
Panel thickness	0.7 to 4.5 mm	0.7 to 4.5 mm	0.7 to 4.5 mm	0.7 to 4.5 mm
Component clearance	± 40 mm	± 40 mm	± 40 mm	± 40 mm
Panel weight	to 3 kg	to 3 kg	to 3 kg	to 3 kg
Installation Requirements				
Power supply	230 V / 115 V, 50 / 60 Hz, ± 10%	230 V / 115 V, 50 / 60 Hz, ± 10%	230 V / 115 V, 50 / 60 Hz, ± 10%	230 V / 115 V, 50 / 60 Hz, ± 10%
Power supply system	L1 + N + PE	L1 + N + PE	L1 + N + PE	L1 + N + PE
Power consumption	0,5 kW	0,5 kW	0,5 kW	0,5 kW
Air supply [d)]	6 bar/ 5 Nl/min	6 bar/ 5 Nl/min	6 bar/ 5 Nl/min	6 bar/ 5 Nl/min
Machine Description				
Length x Width x Height [c)]	1050 x 1060 x 1500 mm	1170 x 1470 x 1500 mm	1170 x 1930 x 1500 mm	1320 x 1930 x 1500 mm
Netto weight	300 kg	400 kg	500 kg	570 kg
Noise Level	< 75 dB	< 75 dB	< 75 dB	< 75 dB
Upgrades				
Machine networking via IC Net				

a) Optional 3 magazines, magazine width 320 mm
b) Optional 3 magazines, magazine width 530 mm
c) Optional 4 magazines, magazine width 320 mm
d) Other dimensions on request
e) For additional options only
f) Optional 660 mm with inserter mechanism monitoring

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