

## REMOVABLE MAGAZINE BUFFER

Used as temporary storage to control the flow of printed circuit boards in a production line. Provides first-in/first-out (FIFO) or last-in/first-out (LIFO) buffering through the use of a removable magazine.

### Standard Features

- In-feed conveyor with built-in pusher assembly
- FIFO/LIFO pass-through operation
- Variable speed in/speed out
- Includes one magazine (50 slots per magazine at 10 mm spacing)
- Built-in user interface
- Allen Bradley PLC
- Independent DC motor drive or AC through shaft drive package
- Manual board width adjust
- Selectable board exit delay
- Built-in SMEMA compatibility (up-line/down-line modules must be SMEMA active)
- CE compliant

### Optional Features

- Oven traffic control
- Hand-crank width adjust (on in-feed conveyor)
- 4-inch under-machine clearance



### Performance Specifications

PCB Transfer Cycle Time	15 seconds maximum (FIFO mode)
Software Selectable Features	Last-in/first-out (LIFO) First-in/first-out (FIFO) Full magazine dump/reset
Control Module	PLC (Programmable Logic Controller - Allen Bradley)
Transfer Motor	Variable speed DC or AC through shaft drive

### Board Specifications for Supplied Magazine<sup>1</sup>

	Minimum	Maximum
Length	88.9 mm (3.5") <sup>2</sup>	522.0 mm (20.55")
Width	57.2 mm (2.25")	460.0 mm (18.11")
Thickness	1.01 mm (0.040")	3.18 mm (0.125")
Weight	—	3.18 kg (7 lbs.)
Magazine Weight with Boards	—	79.38 kg (175 lbs.)
Maximum Warp Allowed	—	0.178 mm in each 25.4 mm, up to 3.18 mm max. (0.007" in each 1.0", up to 0.125" max.)
Length:Width Ratio	1:1 (length parallel to travel can increase)	

<sup>1</sup> Alternates available on a request for quote basis.

<sup>2</sup> For an evenly weighted board. Contact a Universal representative with any questions.

### Board Clearance

Top Side Clearance	Dependent on pitch used in magazine (10 mm if every slot used) up to 25.4 mm (1.0")
Bottom Side Clearance	Dependent on pitch used in magazine (10 mm if every slot used) up to 19.1 mm (0.75")
Edge Clearance	3.0 mm (0.118")

### Service Requirements

Electrical	90-132 vAC, 50/60 Hz, 7.0 Amps or 180-264 vAC, 50/60 Hz, 3.5 Amps
Pneumatic	28 liters/minute @ 5.5 bar (1 scfm @ 80 psi)

### Physical Dimensions

Length	1.34 m (52.625")
Width	1.10 m (43.5")
Height (at SMEMA transfer height)	1.83 m (72.0")
Transfer Height	939.8 mm (37.0") to 965.2 mm (38.0")
Magazine Unload/Load Height	Approximately 736.6 mm (29.0")