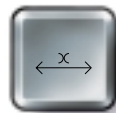


# BELT MODULES *Specifications*



## Dimensions

Width = 750 mm / 29.5 inch. Height = 820-1000 mm / 32-39 inch.

Length	508 mm - 20 inch	1040 mm - 41 inch	1520 mm - 60 inch
End Module	SMBH-5105	SMBH-5110	SMBH-5115
Connecting Module	SMBH-5305	SMBH-5310	SMBH-5315
Inspection Module		SMBH-5410	SMBH-5415
Buffer Module		SMBH-5510	SMBH-5615



## PCB size

Min 35 x 35 mm, Max 500 x 490 mm  
1.3 x 1.3" up to 20 x 19.3"



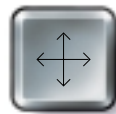
## Maximum Warpage

1.5mm up - 3mm down



## PCB capacity

SMBH-51\*\* series depending on size of boards,  
SMBH-53\*\* and SMBH-54\*\* series one at a time or  
multiple. SMBH-55\*\* - 2 pcs and SMBH-56\*\* - 3 pcs.



## Motion

DC servo motor, speed adjustable



## Control

Integrated microprocessor controller, soft stops  
over photocell



## Ordering information

Options for Belt modules:	1040 mm - 41 inch	1520 mm - 60 inch
Retrofit system	SMBH-8983	SMBH-8981
Fluorescent fixture	SMBH-E8890L	SMBH-E8880L
Open wire shelf	SMBH-8927	SMBH-8925
Steel shelf	SMBH-8321	SMBH-8320
Partbin rail	SMBH-8244	SMBH-8241
Arm-rest	SMBH-8010	SMBH-8010
Luxo mount	SMBH-8130	SMBH-8130



## Interface

Fully SMEMA compatible (some models only mechanical)



## Power-Air requirement

85-260 Vac / 50- 60 Hz / 70 Watt



## Operating temperature

18-35 degree Celsius



## Noise level

Noise emission during operation < 70 dB(A)

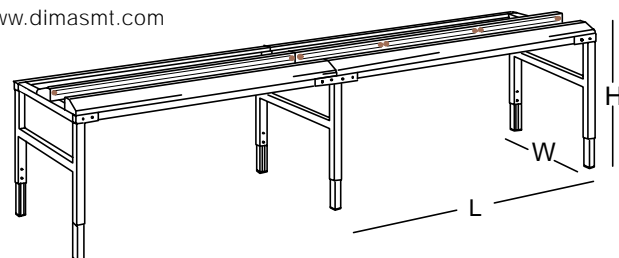


## Weight

0,5m 35Kg - 1m 45Kg - 1,5m 55Kg unloaded



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BH9910E2

your agent:

Specifications are subject to change without prior notice.



## The Belt Modules

DIMA is a global integrated engineering company providing the electronics industry with a wealth of experience in the design of production facilities and manufactur-

ing equipment. Using advanced CAD design technology, coupled with a thorough understanding of customer specific needs, DIMA offer the ideal

solution for linking and interfacing PCB to a production line, reducing handling and improving quality. The Belt Module incorporates its own fully programmable touch

panel offering complete control over belt speed, pause time, set run time and SMEMA on / off.

### In-line

The Belt Modules are fully SMEMA compatible offering working heights from 820 mm - 1000 mm

ensuring minimum installation time when connecting to peripheral equipment.

### Operation

The fully programmable LCD display offers the operator clear and concise instructions easing the flow of production. Sensors are mounted on slides so that the

location of a stop and the activation of the belt can be adjusted ensuring minimum disruption to production and thereby increasing throughput.



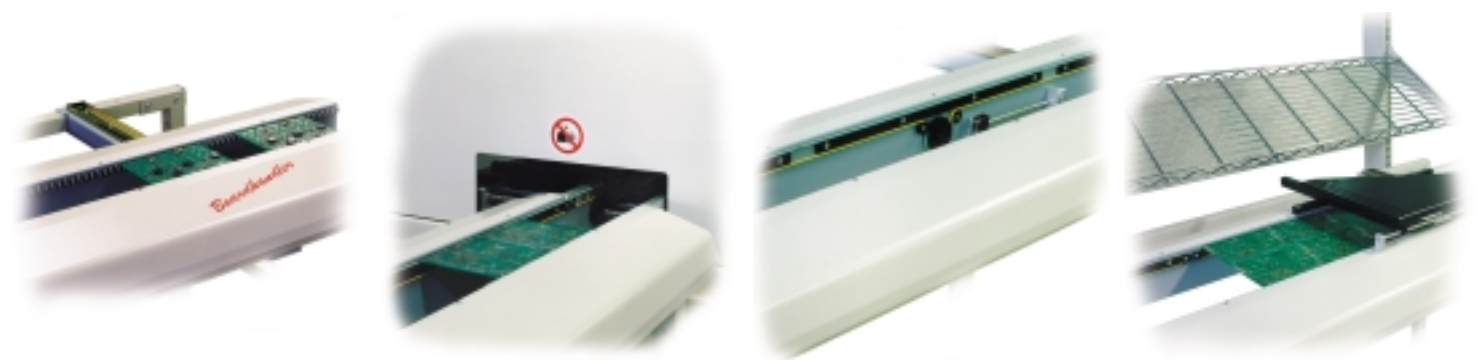
photo: Belt modules



### In-line Production

DIMA's in-line production equipment offers today's customer the ability to produce complex prod-

ucts giving maximum flexibility, lower processing costs and higher yields.



### Exit Module

An Exit Module SMBH-51\*\* offers end of line buffering from placement equipment, Reflow ovens (mesh and pin conveyors), in-line printers etc. This non-motorised module offers an economic method of collecting PCBs at the exit of a production line.

### Connecting Module

The Connecting Module SMBH-53\*\* incorporates a microprocessor controlled touch panel allowing access to belt speed and run time. Available in several lengths, the unit offers troublefree interfacing between process equipment.

### Inspection Module

Offering the equivalent features as the connecting conveyor the Inspection Module SMBH-54\*\* incorporates ergonomically designed operator position using the optional arm rest. With the addition of a start / stop foot pedal the module allows an operator to mount additional components or to inspect the PCB. Loaded with pcb's the module can be used as a line loader. Also available are overhead lighting and shelving units as additional options.

### Buffer Module

The Buffer Module SMBH-55\*\* and SMBH-56\*\* offers interface from machine taking up in-balances in production so buffering up to 3 PCBs at any one time. All modules can be equipped with inspection station facilities.

\*\*=length of system